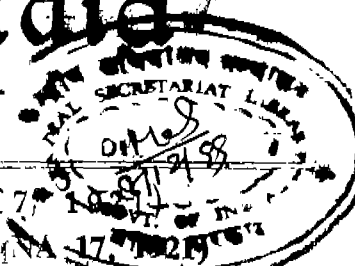




भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 41] नई दिल्ली, शनिवार, अक्टूबर 9, 1999 (आश्विन 17, 1999)
No. 41] NEW DELHI, SATURDAY, OCTOBER 9, 1999 (ASVINA 17, 1999)



इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 9th October 1999

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Telegraphic address "PATENTOFFICE"
Phone No. 490 1495
Fax No. 044 490 1492.

Patent Office, (Head Office),
"NIZAM PALACE" and M.S.O.
Building, 5th Floor,
Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

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एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 9 अक्टूबर 1999

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टीडी इस्टेट,
तीसरा तल, लोवर परले (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोवा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, वन तथा सीव एवं
दावर और नगर हवेली ।

तार पता - "पेटेंटॉफिस"

फोन 4825092 फैक्स : 0224950622

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटॉफिस"

फोन : 5782532 फैक्स : 011-5766204

पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए)

तीसरा तल, राजाजी भवन, वसन्त नगर,

चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्का
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटेंटॉफिस"

फोन : 4901495 फैक्स : 044-4901492

पेटेंट कार्यालय (प्रभार कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

क्षेत्र का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

फोन : 2474401 फैक्स : 033-2473851

पेटेंट कार्यालय का कलकत्ता स्थित प्रधान कार्यालय पेटेंट
सहायक संधि के अधीन अन्तरराष्ट्रीय आवेदनों के लिए रिसीविंग
कार्यालय, इलैक्ट्रेड कार्यालय व डीसग्रेटेड कार्यालय है ।

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित
सभी आवेदन, सूचनाएं, विवरण या उल्लेख्य दस्तावेज या कोई
फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण
किये जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
जहाँ उपयुक्त कार्यालय अवस्थित है उस स्थान के अनुसूचित बैंक
से नियंत्रक की भुगतान योग्य बैंक ड्रफ्ट अथवा बैंक द्वारा की
जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Sec.-2 dated 13th February, 1999 In Page—174, Col.—1 under Heading Corrigendum Read (Divisional to Application No. 347/Cal/86 Ante-dated to 18th March, 1987) instead of (Divisional to application No. 347/Cal/86 Anti-dated to 18th March, 1987).

In the Gazette of India, Part-III, Sec.-2 dated 17th July, 1999 :—

(a) In Page—620, Col.—1 in respect of Patent No. 182781 after the line "Application No. 254/Bom/95 dated 5th June, 1995" insert "Divided out of No. 569/Bom/94 Ante-dated 17th April, 1995".

(b) In Page—620, Col.—2 in respect of Patent No. 182782 after the line "Application No. 255/Bom/95 dated 5th June, 1995" insert "Divided out of No. 569/Bom/94 Ante-dated 17th April, 1995".

In the Gazette of India, Part-III, Sec.-2 dated 14th August, 1999 :—

(a) In Page—722, Col.—1 in respect of Patent No. 182942 the matter appears as "Divisional to application No. 254/Bom/95 & 255/Bom/95 dated 5th June, 1995" shall be deleted.

(b) In Page—733, Col.—1 in respect of Patent No. 449/Bom/96 (182967) filed on September 2, 1996, under Heading Inventors, for

- (1) KRISHNA KUMAR,
- (2) MAHESHWARI, TARUR.
- (3) VENKATASUBRAMANIAN,
- (4) RADHAKRISHNAN & SATISH EKNATH BHOGE,

read Inventors as"

- (1) KRISHNA KUMAR MAHESHWARI.
- (2) TARUR VENKATASUBRAMANIAN
- RADHAKRISHNAN AND
- (3) SATISH EKNATH BHOGE".

In the Gazette of India, Part-III, Sec.-2 dated 3rd July, 1999. In Page—579, Col.—2 read Patent application No. 58/Bom/95 (182740) filed on 9th February, 1995 instead of 52/Bom/95.

APPLICATIONS FOR PATENTS FILED AT
THE PATENT OFFICE BRANCH,
WING C (C-A'), IIIrd FLOOR,
RAJAJI BHAVAN, BESANT NAGAR,
CHENNAI-600 090.

9th November, 1998

- 2519/Mas/98. V. Thiagarajan. Dosing pump.
- 2520/Mas/98. G. Ponraj. Zero theory use of science (All section).
- 2521/Mas/98. Mysore Sandal Products. A pannel of eminent astrologers to forecast of accurate prediction subject to overall control of Mysore Sandal Products (Research Division) headed by Shri G. Viswanath Shet and to perform poojas and offerings to ward off any bad happening (Dosha).
- 2522/Mas/98. Titanium Equipment and Anode Manufacturing Company Limited. A tamper-proof cap for a container and a container therefor.
- 2523/Mas/98. Takshi Sato. A capacious piston mechanism having a rotary piston structure. (November 17, 1997; Japan).
- 2524/Mas/98. Kimberly-Clark Worldwide, Inc. Sterilization wrap and procedures. (November 13, 1997; U.S.A.).
- 2525/Mas/98. Soremartec S.A. A package for products such as food products.
- 2526/Mas/98. BASF Aktiengesellschaft. Preparation of 1,6-hexanediol and 6-hydroxycaproic acid and esters thereof. (November 14, 1997; Germany).
- 2527/Mas/98. BASF Aktiengesellschaft. Novel heterocyclically substituted α -hydroxycarboxylic acid derivative their preparation and use as endothelin receptor antagonists. (November 14, 1997; Germany).
- 2528/Mas/98. B. Braun Melsungen AG. Device for administering liquids to a patient. (November 14, 1997; Germany).
- 2529/Mas/98. Qualcomm Incorporated. Method and apparatus for battery guaging in a portable communication device. (November 12, 1997; U.S.A.).

10th November 1998

- 2530/Mas/98. S. Francis, Immanuel Enterprises. Multi purpose cleaning and moping system.
- 2531/Mas/98. Eta SA Fabriques d'Ebauches. Device for limiting the acceleration of an oscillating weight driving a mechanism of small volume. (November 20, 1997; Switzerland).
- 2532/Mas/98. Corob S.p.A. Dispensing machine for the metered delivery and continuous homogenization of finished paint products. (December 30, 1997; Italy).
- 2533/Mas/98. GL&V/Celleco AB. Hydrocyclone with turbulence creating means. (November 25, 1997; Sweden).
- 2534/Mas/98. Mannesmann Aktiengesellschaft. An apparatus for winding-up a rolled strip downstream of an endless hot-rolling plant. (November 14, 1997; Germany).
- 2535/Mas/98. Ta-Chin WANG. Air conditioner with high efficiency differential heat-exchanging tubes.
- 2536/Mas/98. Hoechst Marion Roussel Deutschland GmbH. Substituted imidazolidine derivatives, their preparation, their use and pharmaceutical preparations comprising them. (November 19, 1997; Germany).
- 2537/Mas/98. SRS Labs. Inc. Low frequency audio enhancement system. (September 4, 1998; U.S.A.).

2538/Mas/98. Wesley-Jessen Corporation. Automatic lens inspection system. (November 14, 1997; U.S.A.).

2539/Mas/98. Fresh Roast Systems, Inc. Roasting system (November 11, 1997; U.S.A.).

2540/Mas/98. Lakshmi Automatic Loom Works Ltd. An improved textile weaving machine.

11th November 1998

2541/Mas/98. Vattarangath Venugopalan Nair. Electric automatic unitherm storage water (fluid) heater.

2542/Mas/98. Vatturi Syamprasad. Improved safety devise for conveyor belts.

2543/Mas/98. (1) Harvey Gene Kocian;

(2) David Merrill Rebhan;

(3) John Roberts Parrish;

(4) Thomas Walter Pilgram.

Control of gas phase polymerization reactions. (February 13, 1998; U.S.A.).

2544/Mas/98. Reckitt & Colman Inc. Improvements in or relating to organic compositions. (November 28, 1997; United Kingdom).

2545/Mas/98. AT & T Corp. Method and apparatus for reduction of call set up time using anticipation technique for multimedia applications in widely distributed networks. (November 18, 1997; U.S.A.).

2546/Mas/98. Kimberly-Clark Worldwide Inc. Liquid absorbent base web. (November 14, 1997; U.S.A.).

2547/Mas/98. BASF Aktiengesellschaft. Benzyldienepyrzoles, their preparation and use. (November 21, 1997; Germany).

2548/Mas/98. A/S Gea Farmaceutisk Fabrik. Process for the preparation of acetal derivatives of 1, 4 dihydropyridines, novel acetal derivatives and the use of the acetal derivatives for the preparation of other 1, 4-dihydropyridines. (November 14, 1997; Denmark).

2549/Mas/98. A/S Gea Farmaceutisk Fabrik. Process for the preparation of 1, 4-dihydropyridines and novel compounds of use for such purpose. (November 14, 1997; Denmark).

2550/Mas/98. Nokia Telecommunications Oy. A frame discard mechanism for packet switches. (November 12, 1997; Denmark).

2551/Mas/98. Archer Daniels midland Company. Desalting aqueous streams via filled cell electro dialysis. (November 12, 1997; U.S.A.).

2552/Mas/98. Mitsubishi Heavy Industries Ltd. Compressor. (November 20, 1997; Japan).

2553/Mas/98. Kimberly-Clark Worldwide, Inc. Multilayer cover systems and method for producing same. (November 14, 1997; U.S.A.).

2554/Mas/98. (1) Chandra P. Sharma;

(2) Thomas Chandy;

(3) P. R. Hari;

(4) Willi Paul. A process for the preparation of immunoadsorbent matrix.

12th November 1998

2555/Mas/98. E. D. Sasidharan Nair. Manual mixture.

2556/Mas/98. Hoechst Schering Agr Evo GmbH, 1-Methyl-5-alkylsulfonyl-, 1-methyl-5-alkylsulfinyl- and 1-methyl-5-alkylthio-substituted pyrazolylpyrazoles, process for their preparation and their use as herbicides (November 24, 1997; Germany).

2557/Mas/98. Sun Microsystems, Inc. Service framework for a distributed object network system. (November 13, 1997; U.S.A.).

- 2558/Mas/98. Babcock Kraftwerkstechnik GMBH. Sampling probe for oxygen measurements at steam-generating installations fired by powered coal. (December 19, 1997; Germany).
- 2559/Mas/98. (1) Akzo Nobel N. V. & (2) Sanofi. Carbohydrate derivatives.
- 2560/Mas/98. BG plc. Pipeline cleaning. (November 18, 1997; Great Britain).
- 2561/Mas/98. Canon Kabushiki Kaisha. Image process apparatus and image process method. (November 14, 1997; Japan).
- 2562/Mas/98. L'Air Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procédes Georges Claude. Liquid distributor for non-vertical distillation column, and distillation column thus equipped. (November 17, 1997; France).
- 2563/Mas/98. L'Air Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procédes Georges Claude. Cryogenic distillation unit. (November 17, 1997; France).
- 2564/Mas/98. L'Air Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procédes Georges Claude. Liquid distributor for oscillating distillation column, and corresponding distillation column. (November 17, 1997; France).
- 2565/Mas/98. L'Air Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procédes Georges Claude. Corrugated strip for cross-corrugated packing and its application to on-board distillation columns. (November 17, 1997; France).
- 2566/Mas/98. L'Air Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procédes Georges Claude. Liquid distributor for distillation column and corresponding distillation column. (November 17, 1997; France).
- 2567/Mas/98. Dr. Reddy's Research Foundation. An improved process for the preparation of 10H-phenoxazine.
- 13th November 1998
- 2568/Mas/98. AECI Limited. Gasification of coal. (November 14, 1997; South Africa).
- 2569/Mas/98. Novartis AG. Pesticidal composition. (November 14, 1997; Switzerland).
- 2570/Mas/98. Novartis AG. Pesticidal composition. (November 14, 1997; Swiss).
- 2571/Mas/98. G. D. Searle & Co. Aromatic sulfone hydrolytic acid metalloprotease inhibitor. (November 14, 1997; U.S.A.).
- 2572/Mas/98. The Chase Manhattan Bank. Method and apparatus to process combined credit and debit card transactions. (December 10, 1997; U.S.A.).
- 2573/Mas/98. Kimberly-Clark Worldwide Inc. Coreless roll product and adapter. (November 20, 1997; U.S.A.).
- 2574/Mas/98. Gestind M. B. Manifattura Di Brazzolo S.p.A. Headrest for motor-vehicle seats.
- 2575/Mas/98. Qualcomm Incorporated. Method and apparatus for time efficient retransmission using symbol accumulation. (November 13, 1997; U.S.A.).
- 2576/Mas/98. Qualcomm Incorporated. Receiver with sigma-delta analog-to-digital converter. (December 9, 1997; U.S.A.).
- 2577/Mas/98. Robert Bosch GMBH. Solenoid valve for a fluid regulating heating and/or cooling system.

ALTERATION OF DATES UNDER SECTION 16.

183228

(400/Cal/97)—Antedated to 23rd March, 1997.

183230

(1899/Cal/97)—Antedated to 04th October, 1993.

183237

(553/Cal/97)—Antedated to 29th March, 1993.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate along with evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patent (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंधित आवेदनों में से किसी पर पेटेंट प्रदान की विरोध करने के इच्छुक व्यक्तियों, इसकी निर्णय की तिथि से चार (4) महीने का अवधि एतदी अवधि को उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्रारूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, की सीमा में भी विरोध एक एकत्र की उपयुक्त कार्यविधि में ऐसे विरोध को सूचना विहित प्रारूप 7 पर दे सकते हैं। विरोध संबंधी लिखित अवलंब्य एवं प्रतियों में साक्ष्य को साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिनों की सीमा कार्रवाई कर दिये जाने चाहिए।

प्रत्येक विनिर्देश को सर्वोपरी में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण की अनुक्रम है।

विनिर्देश तथा चित्र और/या, यदि कोई हो, की अंकित प्रतियों की मापदंड पेटेंट कार्यालय वा उसकी सीमा में आवेदकों से यथाविहित 30/- रुपये प्रति की दर पर की जा सकती है।

एसी परिस्थिति में जब विनिर्देश की वकिल प्रतीत उपलब्ध नहीं हो, विनिर्देश तथा विनिर्देश, यदि कोई हो, की वकिल प्रतीतों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से वकिलीय फीस परीक्षण शुल्क के 10 रुपये प्रति पृष्ठ पर 30/- रुपये की दरों पर की जा सकती है।

Cl. : 157 A 1

183221

Int. Cl. : E 01 B 7/28.

AN IMPROVED SWING NOSE CROSSING FOR USE IN RAILWAY TRACK

Applicant : BINA METAL WAY LTD., OF 12/1, LINDSAY STREET, CALCUTTA-700 087 INDIA.

Inventor : PRONAB MUKHERJEE.

Application No. 958/Cal/95 filed on 16th August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

17 Claims

An improved swing nose crossing for use in railway track for enabling a railway wheel to travel from one track to another, comprising a Vee (5) and a pair of Brace rails (16, 16') with the narrow end of the Vee slideably moveable by means of suitable moving/operating devices to home against one Brace rail or the other at a time, said Vee comprising a pair of steel rails (7, 8) secured together at the narrow end of the said Vee, the width of the Vee at its narrowest end being not less than the head-width of a standard railway rail; the other end of one of the two rails (7) constituting the Vee being firmly fastened down to the underlying sleepers to form a "fixed heel joint" (17); the corresponding end of the other rail (8) of the Vee being relatively free to move longitudinally forward or backward to form a "loose-heel joint" (18); said Brace rails being made of steel rails; and said Brace rails being firmly fastened down to the underlying sleepers by means of a set of fastenings for the entire length of the Brace rails.

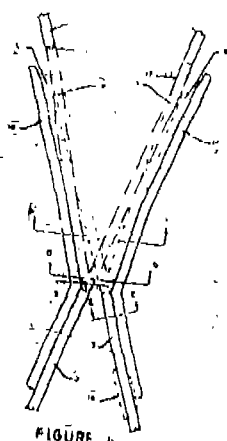


FIGURE 1

(Compl. Specn. 17 Pages;

Drgns. 10 Sheets)

Int. Cl. : 27 A

183222

Int. Cl. : E 01 D 19/06

AN IMPROVEMENT TO ROADWAY JOINTS FOR ACHIEVING RUNNING CONTINUITY BETWEEN TWO SLABS.

Applicant: FBBYSSINET INTERNATIONAL ET COMPAGNIE, OF 10, RUE PAUL DAUTER, 78140 VELIZY, FRANCE.

Inventors :

SEANTIER JACKY.
SALMON PHILIPPE.
BASILE BERNARD.

Application No. 237/Cal/95 filed on 6th March, 1995.

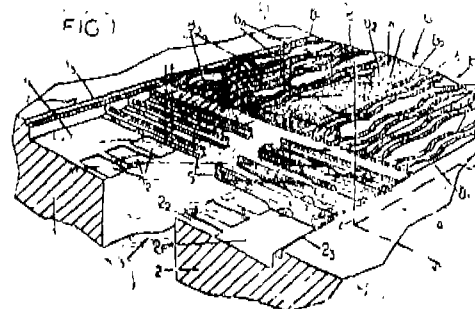
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Calcutta.

10 Claims

An improvement to roadway joints for achieving running continuity between two slabs (1, 2) namely a first slab (1) and a second slab (2) which are separated by a gap (3); said slabs (1, 2) supporting and forming a roadway (4), these slabs are movable one with respect to the other at least along a main axis of movement (X), movable closer together and further apart, said roadway joint comprising substantially horizontal rigid teeth (5) which point parallel to the main axis of movement (X) and which are mounted in a cantilever fashion above the gap (3) and are fixed at least to the first slab (1), the roadway joint also comprising a substantially horizontal running surface (6) which covers the teeth (5), and which is having two longitudinal edges (8) fixed respectively to the two slabs, characterized in that, the running surface (6) comprises :

in one of the slabs, a rigid plate (7) which bears on either side of the gap (3) rests on one side on the teeth secured to the first slab (1), this rigid plate (7) extending longitudinally parallel to the gap (3),

and on the other slab, at least one deformable plate (8) which is juxtaposed with the rigid plate (7) which extends longitudinally parallel to the gap (3), covering the teeth (5) fixed to the first slab, first deformable plate (8) being elastically deformable at least along the main axis of the movement (X) and comprising two longitudinal edges (8₁, 8₂) with one longitudinal edge (8₁) fixed to the rigid plate (7), while the other edge (8₂) constitutes one of the longitudinal edges of the running surface (6) and is fixed to the first slab (1), the roadway joint and the second slab (2) being shaped to allow the teeth (5) to move under the rigid plate (7) beyond the said rigid plate in the direction of the second slab when the two slabs move closer together, and the roadway joint being shaped to allow the two slabs (1, 2) to move away from each other as far as a point where a substantially horizontal longitudinal empty space parallel to the gap (3) is cleared in front of the teeth (5), this empty space then being covered by the rigid plate (7) and pages (11, 11', 20) for limiting the deformation of each deformable plate (8).



Compl. Specn. 18 Pages;

Drgns. 2 Sheets

Cl. : 94 G

183223

Int. Cl. : B 01 J 2/00

A GRANULATION APPARATUS FOR STRAND MATERIAL.

Applicant : RIETER AUTOMATIK GMBH, OF OSTRING 19, DE-63762 GROSSOSTHEIM, GERMANY.

Inventors :

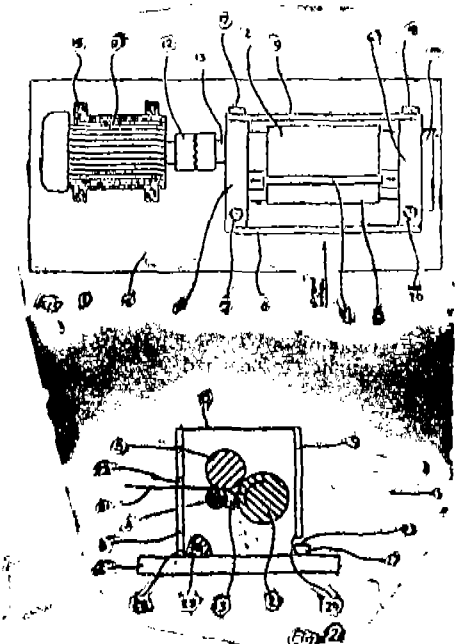
WALTER PIRRUNG.
BERTHOLD GLAAB.
LAURENZ HOHM.
HELMUTH MERDHOFF.
GUNTHER WOLF.

Application No. 381/Cal/95 filed on 5th April, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

3 Claims

Granulation apparatus (1) for strand material (21) having pull-in means (4, 5) for gripping said strand material (21) and transporting it to a counter knife (3), a knife roll (2) cooperating with said counter knife (3) for cutting said strand material (21) into granulate, and a housing (6, 7, 8, 9, 10) accommodating said pull-in means (4, 5), said counter knife (3) and said knife roll (2), a motor (11) driving said knife roll (2) and said pull-in means (4, 5) is arranged beside said housing (6, 7, 8, 9, 10) and is connected by means of a drive axle (13) to the rotating components (2, 4, 5) contained in said housing (6, 7, 8, 9, 10), and said motor (11) and said housing (6, 7, 8, 9, 10) are mounted on a common support (16), characterised in that the mounting assembly comprises two mounting means which, in a projection onto said support (16), are arranged in the region of the two side portions (8, 9) of said housing (6, 7, 8, 9, 10) which are beside said drive axle such that, due to the torque acting on said housing (6, 7, 8, 9, 10), the one mounting means (tension holding means 17, 18) receives a tensile force away from said support (16) and the other mounting means (pressure holding means 19, 20) receives a force of pressure against said support (16), said tension holding means (17, 18) having a hooklike formation and releasably holding said housing (6, 7, 8, 9, 10) onto said support (16), said pressure holding means (19, 20) is provided as a catch preventing movement of said housing (6, 7, 8, 9, 10) away from said tension holding means (17, 18).



Compl. Specn. 10 Pages;

Drgns. 1 Sheet

Cl. : 63 C

183224

Int. Cl. : H 01 R 39/04

NOISE SUPPRESSED COMMUTATOR AND METHOD FOR MANUFACTURING THE SAME.

Applicant : JOHNSON ELECTRIC S.A., OF 125 RUE DU PROGRES, CH-2300 LA CHAUX-DE-FONDS, SWITZERLAND.

Inventor : PATRICK SHUI CHUNG WANG.

Application No. 509/Cal/1995 filed on 8th May, 1995.

(Convention No. 9409375.4 on 11-05-94 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

13 Claims

A noise suppressed commutator comprising a base (10) a plurality of commutator segments (20) mounted on the base, and noise suppression means (30), characterised by resiliently deformable connecting means (40) having one or more conductive portions electrically connecting the noise suppression means (30) to the respective commutator segments (20).

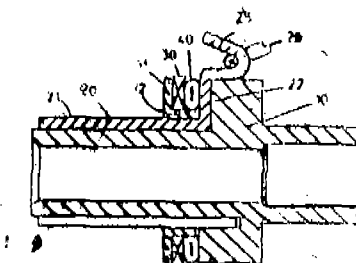


FIG. 1

Compl. Specn. 12 Pages;

Drgns. 2 Sheets

Cl. : 108 C, 33 D

183225

Int. Cl. : C 22 C, 38/42, 38/28, 38/20, 35/00, B 22 D

11/01

METHOD FOR THE CONTINUOUS CASTING OF PERITECTIC STEELS TO PRODUCE THIN SLABS.

Applicant : DANIELI & C. OFFICINE MECCANICHE SPA, OF VIA NAZIONALE, 33042 BUTTRIO (UD), ITALY.

Inventors :

UMBERTO MERONI.

DOMENICO WOGLER RUZZA.

ANDREA CARBONI.

Application No. 574/Cal/95 filed on 22nd May, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

13 Claims

A method for the continuous casting of peritectic steels to produce thin slabs, said peritectic steels having a carbon content between 0.09% and 0.16%; and optionally, less than 0.25% of copper, less than 0.020% of tin, and 0.013% to 0.035% of titanium said method comprising :

continuously casting the peritectic steel through a mold having a taper of 2% to 6% per metre atleast in its first segment while oscillating the mold;

the frequency of oscillation of said mold being between 300 and 500 oscillations per minute with a travel upwards and downwards between ± 2.5 mm and 4 mm, so that total distance of travel is 5 mm to 8 mm, and optionally adding lubrication powders having a basicity greater than 1.1 to the mold; and

subjecting the molten metal to restricted primary and secondary cooling.

Compl. Specn. 16 Pages;

Drgns. 2 Sheets

Cl. : 93

183226

Int. Cl. : F 23 J 1/00

A SLAG REMOVING APPARATUS.

Applicant : TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK-10650, UNITED STATES OF AMERICA.

Inventor : WILLIAM MARGERUM DAVIS.

Application No. 637/Cal/95 filed on 5th June, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

6 Claims

A slag removing apparatus comprising;

slag sump (12) receiving slag therein directly from a slag generating operation;

characterised in that said slag removing apparatus comprises :

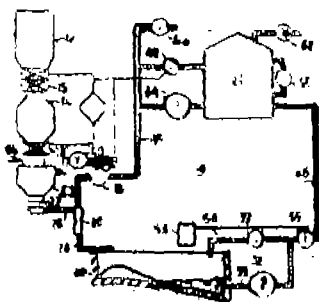
lockhopper means (14) connected to receive slag discharged from the slag sump (12), said lockhopper means (14) having both a first pressure lock (16) and a second pressure lock (18);

slag grinder means (22) connected to receive slag output from said lockhopper means (14);

a closed loop sluice water system (32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56) such as herein described;

eductor means (24) connected to receive the output of said grinder means (22), water from said sluice water system, mix said slag and said water, and to feed said watered slag to a sump pit (30); and

means (60) to monitor water level in said sump pit.



Compl. Specn. 11 Pages;

Drgns. 1 Sheet

Cl. : 150 G

183227

Int. Cl. : F 16 L 21/00

SOCKET FOR THE FUSION JOINTING OF PLASTIC PIPE PARTS AND A PROCESS THEREOF.

Applicant : AGRU ALOIS GRUBER GES. M.B.H OF BRUNBURGERSTR. 41, A-4540 BAD HALL, AUSTRIA.

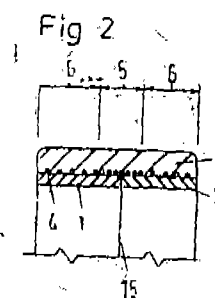
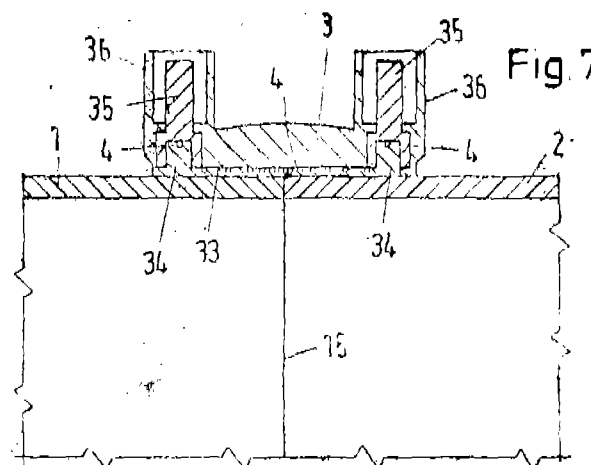
Inventor : ALBERT LUEGHAMER.

Application No. 668/Cal/95 filed on 13th June, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

15 Claims

Socket for the fusion jointing of plastics pipe parts (1, 2) of comparatively small diameter with ends thereof butted against each other, said socket (3) having an electric heating element (4) arranged in the region of an inner wall of the socket for heating a butt joint (15) region of said plastic pipe parts, characterized in that said heating element comprising heating wire coil (4) is wound more closely in the inner region (5), which covers the joint (15), than its two adjoining outer region (6) and said socket is connected to an electric power source so that the said heating element provides greater heating output at an axially inner region (5) than at axially outer regions (6) of said butt joint area.



Compl. Specn. 15 Pages;

Drgns. 2 Sheets

Cl. : 32 E

183228

Int. Cl. : C 08 J 09/26

A PROCESS FOR PREPARING A COMPOSITE MATERIAL.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors :

EDWARD GEORGE HOWARD JR.
ARTHUR ZENKER MOSS.

Application No. 400/Cal/97 filed on 6th March, 1997.

(Divided out of No. 352/Cal/93 antdated to 23rd June, 1993).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

6 Claims

A process for preparing a composite material such as herein described comprising polytetrafluoroethylene (PTFE) and up to about 50% by weight of at least one polymers other than PTFE said process comprising :

- contacting PTFE, in an inert atmosphere, with a fluid of the kind such as hereinbefore described which penetrates and swells but does not significantly dissolve the PTFE or eliminate viscoelastic memory therefrom, at a temperature in the range of about 250°-400°C;
- cooling and separating the penetrated, swollen PTFE from unabsorbed liquid;
- removing the absorbed fluid to form a porous product having a single DSC melting endotherm, the melting point being in the range of about 315°C to 333°C with an associated heat of fusion of at least 35J/g;

(d) infusing by immersion in a manner such as herein described at least one polymerizable monomers and appropriate initiators such as herein described into the porous product from step (c); and

(e) polymerizing in a manner such as herein described at least one monomers as herein described to form the said composite material.

Compl. Specn. 43 Pages;

Drgns. 3 Sheets

Cl. : 32 F 2 (b)

183229

Int. Cl. : C 07 D 207/28, 207/36

PROCESS FOR PRODUCING CAPTOPRIL.

Applicant : KENKA CORPORATION, OF 2-4, NAKA-NOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA-530, JAPAN.

Inventors :

KOICHI KINOSHITA.

FUMIHIKO KANO.

TAKAHIRO OKUBO.

YASUYOSHI UEDA.

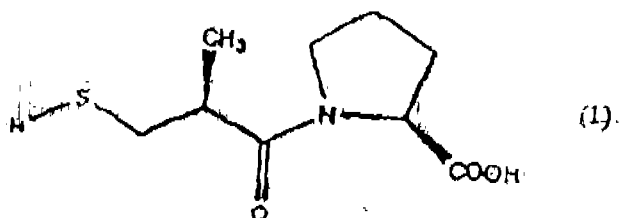
Application No. 1885/Cal/97 filed on 7th October, 1997.

(Convention No. 8-289340 on 11-10-96 in Japan).

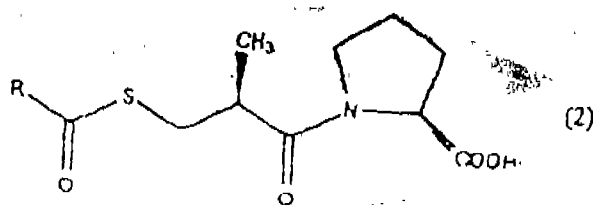
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

13 Claims

A process for producing captopril of the following formula (1)



which comprises subjecting a substrate compound of the following general formula (2)



wherein R represents alkyl or alkoxy; to hydrolysis reaction in aqueous medium to remove RCO group and isolating in the manner such as herein described, the resultant captopril:

said hydrolysis reaction in aqueous medium being conducted in the presence of a strong acid, such as herein described, at pH not over 1, at a reaction temperature not below 40°C and said aqueous solution being water essentially not containing an organic solvent.

Compl. Specn. 34 Pages;

Drgns. Nil

Cl. : 206 E

183230

Int. Cl. : H 04 N 1/41

APPARATUS FOR RECEIVING A COMPRESSED VIDEO SIGNAL.

Applicant : RCA THOMSON LICENSING CORPORATION, OF TWO INDEPENDENCE WAY, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

Inventors :

SCOTT DAVID CASAVANT.

TRISTAN SAVATIER.

Application No. 1899/Cal/97 filed on 7th October, 1997.

(Divided out of No. 583 Cal 93 antdated to 4th October, 1993).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

2 Claims

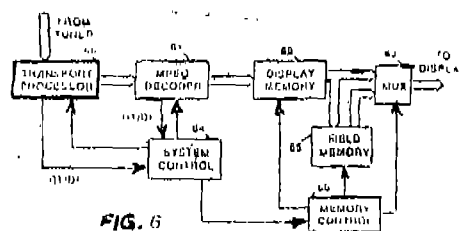
Apparatus for receiving a compressed video signal including information DT/DF indicative of the order of display of decompressed fields, said apparatus comprising :

means for receiving transport packets containing transport headers and compressed video signal;

means (60, 61) responsive to said transport packets for separating said information DT/DF from one of said transport headers and said compressed video signal;

means (61, 62) responsive to said received compressed video signal for decompressing said compressed video signal to provide output frames of video signal; and

means (63, 64, 65, 66) responsive to said information DT/DF for sequencing said decompressed fields in a pre-determined order.



Compl. Specn. 13 Pages;

Drgns. 5 Sheets.

Cl. : 64 B 3

183231

Int. Cl. : H 01 R 4/00

FEMALE ELECTRICAL CONTACT MEMBER.

Applicant : CONNECTEURS CINCH S.A., OF 5 AVENUE NEWTON, 78190 MONTIGNY LE BRETONNEUX FRANCE.

Inventors :

JEAN ITTAH.

OLIVIER PLESSIS.

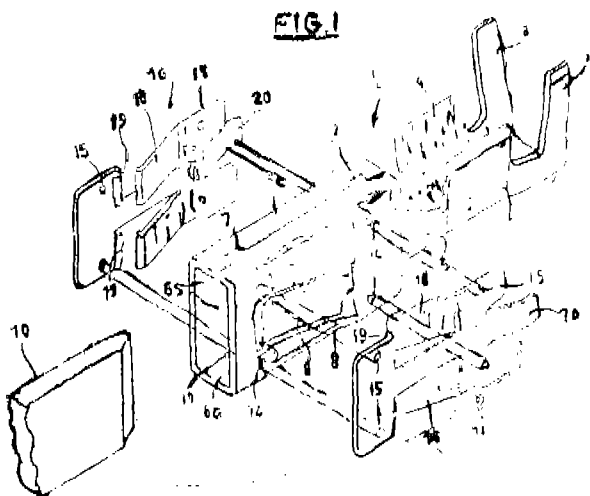
Application No. 201/Cal/95 filed on 28th February, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

6 Claims

Female electrical contact member (1) made from a metal blank cut out and bent to shape so that it has at one end electrical conductor fixing means (3; 4) and at the other end rectangular section passage (6) having a bottom wall (6a), a top wall (6c) and two side walls (6b) from which are cut out.

elastic bars bent towards the interior of the passage to constitute a clamp adapted to grip a male tongue (10) inserted through an insertion opening of said passage (6), the free ends of said bars facing towards said insertion opening (6), characterised by a pair of plates (16) fixed against said side walls (6b); a bracing bar (18) cut out from each said plate and bearing against a respective said elastic bar (8) to operate with said elastic bar.



Compl. Specn. 9 Pages;

Drgns. 5 Sheets.

Cl. : 129 Q

183232

Int. Cl.⁴ : B 23 K 3/00, 3/01

DEVICE FOR WELDING OF THIN SHEET METALS.

Applicant : ALCATEL KABEL AG & CO., OF KABELKAMP 20, 30179 HANNOVER, GERMANY.

Inventor : HARRY STASCHEWSKI.

Application No. 316/Cal/95 filed on 21st March, 1995.

(Convention No. P 44 11 967.4 on 07-04-1994 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

Device for the welding of thin sheet metals, running under a stationary, water cooled welding head, particularly for the welding of edges of metallic tape, running in the longitudinal direction, shaped into the form of a tube, with protective gas shielded arc, with the help of one or several non-smelting electrodes arranged in the welding head, where each electrode is fixed in a burner housing, by means of an electrode clamp and the electrode clamp is held in the burner housing by means of a clamp holder, characterized in that, within a central through hole in the clamp holder, a tube shaped clamping rod is arranged, in whose slotted end, that is capable of being turned towards the tube, an electrode is inserted in a clamped manner.

Compl. Specn. 9 Pages;

Drgn. 1 Sheet.

Cl. : 102 B

183233

Int. Cl. : F 15 B 9/09.

SERVO SYSTEM.

Applicant : WAYSIA INDUSTRIAL CO. LTD., OF 9, CHUNG HSING ST. MING HSUNG IND. AREA CHIA YI, TAIWAN REPUBLIC OF CHINA.

Inventor : FU-LONG CHANG.

Application No. 322/Cal/95 filed on 23rd March, 1995.

2-277 GI/99

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A servo system comprising of

a driven body

a hydraulic driving unit for moving said driven body,

a mechanical hydraulic service valve including a spring-biased movable spool, said servo valve being capable of activating said driving unit to move said driven body when said spool is moved.

a first sheave mounted on said driven body, said first sheave having an outer peripheral surface,

a first flexible measuring tape having a first end portion secured to said first sheave, a second end portion, and an intermediate portion wound on said first sheave along outer peripheral surface of said first sheave,

a rotary driving source coupled operably to said first sheave and operable to rotate said first sheave in order to wind and unwind said first measuring tape,

a first rotary shaft which is coupled operably to said rotary driving source and said first sheave and which is driven by said rotary driving source to rotate so as to cause corresponding rotation of said first sheave, and a clutch means for permitting said first rotary shaft to rotate freely relative to said first sheave during presence of large resistance to rotation of said first sheave so as to prevent snapping of said first measuring tape, and characterized in that an adjusting means consisting of :

a hollow housing having two opposed side walls;

a second rotary shaft extending between said two opposed side walls and being mounted rotatably thereon;

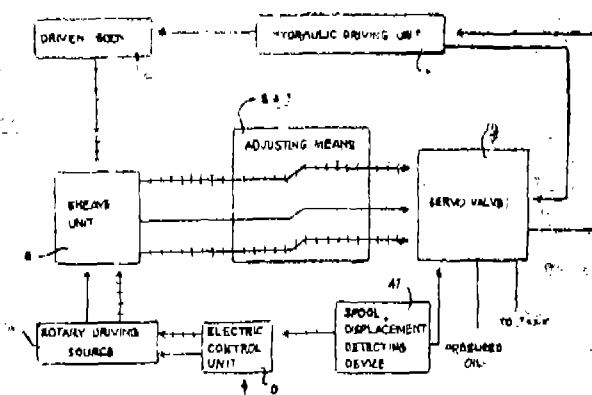
an idler wheel disposed in said housing and mounted rotatably on at least one of said side walls, said idler wheel having said first measuring tape trained thereon;

a first pivot arm being disposed in said housing and having a first arm portion fixed to said second rotary shaft and a second arm portion to which said second end portion of said first measuring tape is fixed; and

a second pivot arm being disposed in said housing and having a first end portion fixed to said second rotary shaft and a second end portion normally in contact with said spool;

whereby, pulling of said measuring tape causes said first pivot arm to pivot so as to result in pivoting of said second pivot arm in order to move said spool.

FIG. 1



Compl. Specn. : 34 pages;

Drgns. : 6 sheets.

Cl. : 201 C

183234

Int. Cl.⁴ : C 02 F 3/00, 1/66, 1/72

B 01 D 53/34.

A METHOD OF CONVERTING EFFLUENT SEA WATER UTILISED IN A FLUE GAS DESULFURIZATION PROCESS.

Applicant : MCDERMOTT TECHNOLOGY, INC., OF 1450 POYDRAS STREET, NEW ORLEANS LOUISIANA 70112 UNITED STATES OF AMERICA.

Inventor : WILLIAM DOWNS.

Application No. : 552/Cal/95 filed on 17th May, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

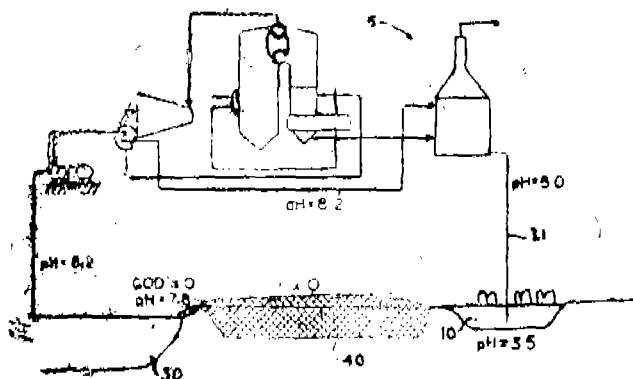
4 Claims

A method of converting effluent sea water, utilized in a flue gas desulfurization process, to render the same suitable for its return to natural source of sea water, without any adverse effect to the aquatic life of said natural source of sea water, said method comprising :

aerating in the manner such as herein described, the effluent sea water in an aeration pond;

channelling the effluent sea water, so aerated, from said aeration pond through a percolating channel filled up with a granular bed of limestone, the said limestone bed in the percolating channel having variable height, width and length in proportion to the amount of effluent sea water caused to be passed therethrough, and

periodically adding an amount of fresh limestone to the limestone bed through an upper surface of the said channel exposed to the atmosphere, so as to raise the pH of the effluent sea water to an acceptable compromise limit, such as herein described, depending on the nature of effluent sea water, under treatment, and thereafter channelling the aerated effluent sea water, so treated by the limestone bed, to a natural sea water source.



Compl. Specn. : 11 pages

Drgns. : 3 sheets

Cl. : 56 D

183235

Int. Cl. : B 01 D 43/00

F 26 B 5/04.

APPARATUS FOR VACUUM DEWATERING OF DILUTED DESICCANT BRINE AND A METHOD FOR PRODUCING DEWATERED DESICCANT BRINE.

Applicant : F F SEELEY NOMINEES PTY. LTD., OF 1-11 ROTHESAY AVENUE, ST MARYS, SOUTH AUSTRALIA, AUSTRALIA.

Inventor : ROBERT WILTON JAMES.

Application No. 591/Cal/95 filed on 25th May, 1995.

(Convention No. PM5926 on 30-5-94 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

Apparatus for vacuum dewatering of diluted desiccant brine, comprising a vacuum chamber, a vacuum pump in fluid flow communication with an upper end of said chamber;

a sump at a level below said vacuum chamber and an air drier;

a hydraulic flow passage including a valve extending from said vacuum chamber to said sump;

a first, second and third hydraulic circuits;

said first hydraulic circuit comprising a pump openable to deliver dewatered desiccant brine through a hydraulic conduit to said air drier so as to affect drying of air when passing through said air drier, with consequential aqueous dilution of said brine;

said second hydraulic circuit comprising a second hydraulic conduit, and means to deliver said diluted brine to said vacuum chamber, wherein low vapour pressure created by actuation of said vacuum pump effects dewatering of said diluted brine by evaporation;

said third hydraulic circuit including a heat exchanger in fluid flow communication with said vacuum pump in a configuration wherein water vapour removed from said vacuum chamber by said vacuum pump is condensed as distilled water and conveyed by an hydraulic conduit to an evaporative air cooler for evaporation therein.

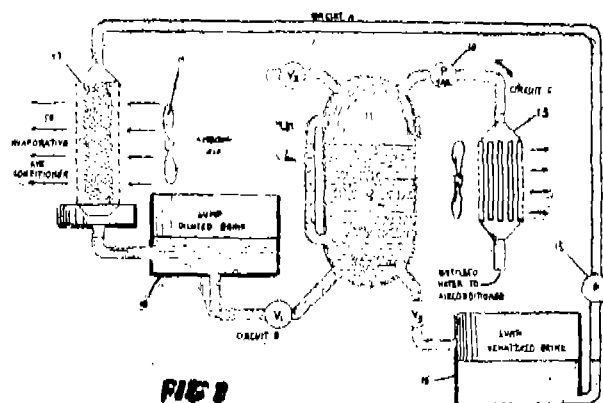


FIG 1

(Compl. Specn. 10 Pages;

Drgns. 3 Sheets)

Cl. : 56 A

183236

Int. Cl.⁴ : B 01 D 3/20.

A DOWNCOMER-TRAY ASSEMBLY FOR GAS LIQUID CONTACT TOWER.

Applicant : KOCH (CYPRUS) LTD., OF P. O. BOX 8127 WICHITA, KANSAS-67208.

Inventors :

1. ADAM T. LEE
2. MICHAEL JAN BINKLEY
3. KUANG WU
4. LARRY BURTON.

Application No. 967/Cal/95 filed on 17th August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A downcomer-tray assembly 100 for gas liquid contact tower comprising :

a downcomer 102;

a tray 48 disposed below said downcomer;

a tray inlet area 104 disposed beneath said downcomer adapted for the flow of liquid 13 thereon and the passage of gas upwardly therethrough;

said downcomer being formed with a generally semiconical wall region 103 forming a vapor tunnel 103(a) outwardly thereof and a liquid confinement wall 108 inwardly thereof terminating in at least one discharge opening 107 disposed above said inlet area; and

a plurality of venting chambers 51(a) upstanding from said inlet area beneath said downcomer for facilitating the passage of vapor 15 therethrough, and into said vapor tunnel 103(a).

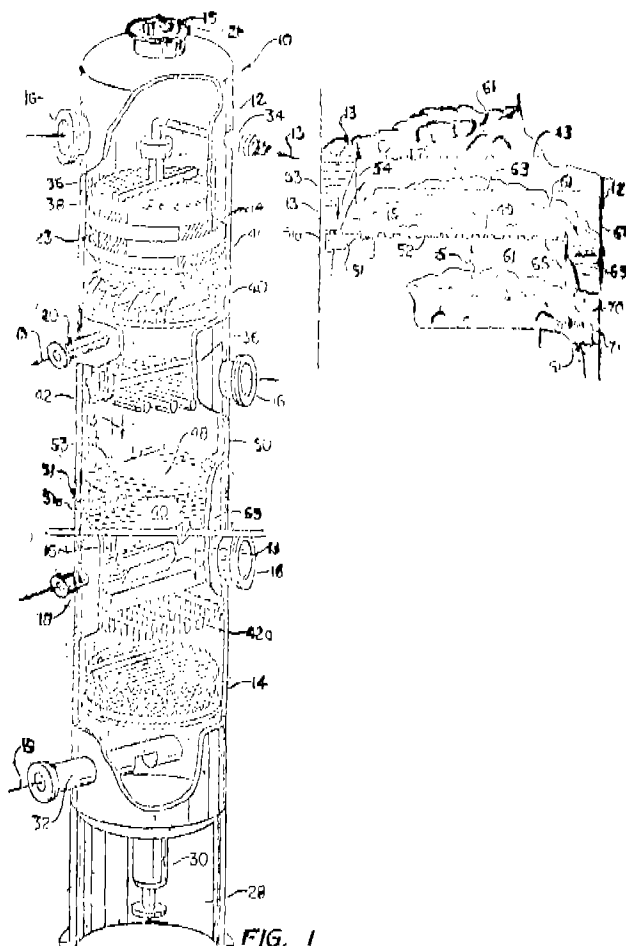


FIG. 1

(Compl. Specn. 22 Pages;

Drgns. 3 Sheets)

Cl. : 136 E.

183237

Int. Cl. : B 29 D 11/00, G 02 B 7/02.

A METHOD FOR MAKING A LENS.

Applicant : INNOTECH INC., OF 5568 AIRPORT ROAD, ROANOKE VA UNITED STATES OF AMERICA.

Inventor : RONALD DAVID BLUM.

Application No. : 553/Cal/97 filed on 27th March, 1997.

(Divided out of No. 179/Cal/93 antedated to 29th March, 1993).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A method for making a lens, said method comprising :

a. providing a mold having a molding surface;

b. providing an optical quality resin composition containing an ultraviolet initiator, said resin composition being substantially free of thermal initiators;

c. providing a pre-formed plastic lens having a bonding surface thereon;

d. said mold having a first complementary surface of a curvature different than that of the bonding surface on the pre-formed lens;

e. placing said resin composition on said mold, arranging said pre-formed lens with said mold such that the bonding surface in said pre-formed lens and said mold form a cavity enclosing said resin composition, such that said resin has an unequal thickness between said mold and said pre-formed lens;

f. curing said resin composition by applying ultraviolet radiation and heat to said resin composition, wherein said resin is cured while remaining substantially free of thermal initiators, and wherein said heat is provided in a controlled manner to equalize the degree of cure over portions of the resin having unequal thickness; and

g. wherein the added lens curvature of said resulting lens substantially corresponds to that of the molding surface of said mold.

(Compl. Specn. : 46 pages;

Drgns. : 4 sheets)

Cl. : 32 F 3 (a).

183238

Int. Cl. : C 07 C 27/22.

PROCESS OF PRODUCING CARBONIC DIESTER.

Applicant : CHIYODA CORPORATION OF 12-1, TSURUMICHUO 2-CHOME, TSURUMI-KU, YOKOHAMA-SHI, KANAGAWA-KEN, JAPAN.

Inventors :

1. TAKESHI MINAMI
2. NORIYUKI YONEDA
3. YOSHIMI SHIROTO
4. HARUTO KOBAYASHI

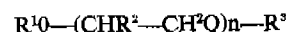
Application No. 1156/Cal/97 filed on 18th June, 1997.

(Convention No. 8-283022 on 4th October, 1996 in Japan).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for the production of a carbonic diester, comprising reacting, in a reaction zinc, an alcohol with carbon monoxide and oxygen in the presence of ingredient (a) which is metallic copper or a copper compound, ingredient (b) which is a heterocyclic compound containing one or more nitrogen atoms in the cyclic skeleton thereof and ingredient (c) which is a glycol ether represented by the following formula (I) :



(I)

wherein R^1 stands for an alkyl group having from 1 to 6 carbon atoms, R^2 stands for a hydrogen atom or an alkyl group having 1 to 2 carbon atoms, R^3 stands for a hydrogen atom or an alkyl group having from 1 to 6 carbon atoms and n is an integer of from 1 to 12, the reaction being performed under an oxygen partial pressure of in the range of 0.001 to 10 kg/cm² and a carbon monoxide partial pressure of in the range of 0.1 to 50 kg/cm² and at a temperature range of 30 to 200°C.

(Compl. Specn. : 30 pages;

Drgns. : 5 sheets)

CL : 32 F 4, 55 E 2.

183239

Int. CL : C 07 D 333/52, A 61 K 31/38.

PROCESS FOR THE SYNTHESIS OF BENZOTHIOPHENES.

Applicant : ELI LILLY AND COMPANY, OF LILLY CORPORATE CENTER, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventors :

1. JEFFREY THOMAS VICENZI
2. TONY YANTAO ZHANG

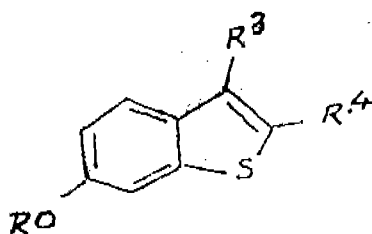
Application No. : 1714/Cal/97 filed on 17th September, 1997.

(Convention No. 60/026,695 on 25th September, 1996 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

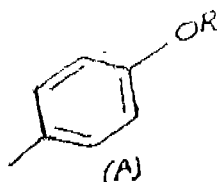
10 Claims

A process for preparing a compound of the formula :



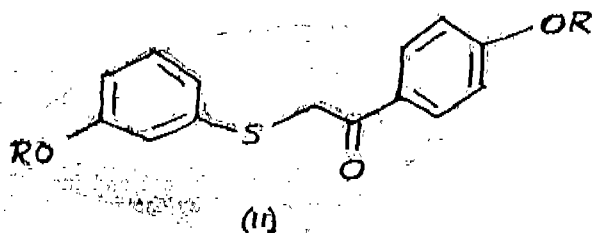
wherein

R^3 and R^4 are hydrogen or a moiety of the formula (A) :

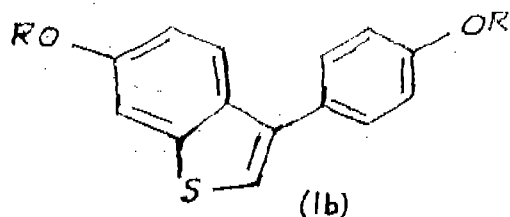


provided that only one of R^3 and R^4 can be hydrogen and only one of R^3 and R^4 can be a moiety of the formula (A); and R is independently at each occurrence C_1 - C_8 alkyl; which comprises :

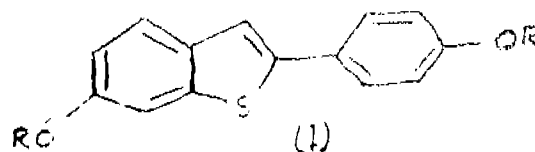
cyclizing a dialkoxy compound of formula II :



in the presence of a cation exchange resin, such as hereinbefore described, and a solvent, at a temperature between 50°C and 110°C, to form a compound of formula Ib :



and optionally rearranging the compound of formula Ib in the essence of a solvent to form a compound of formula I :



(Compl. Specn. 21 Pages)

CL : 55 D 2.

183240

Int. CL : A 01 N 63/00, A 61 L 2/16.

A METHOD OF PRODUCING A BIOCIDAL COMPOSITION, SUITABLE FOR USE IN TREATMENT OF AQUEOUS SYSTEMS FOR CONTROLLED GROWTH OF MICROBES THEREIN.

Applicant : BETZDEARBORN INC., OF 4636, SOMERTON ROAD, TREVOSE, PA 19053-6783, UNITED STATES OF AMERICA.

Inventors :

1. JOHN BARRY WRIGHT
2. DANIEL LAURENCE MICHALOPOULOS

Application No. : 2315/Cal/97 filed on 8th December, 1997.

(Convention No. 08/783,683 on 15th January, 1997 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

A method of producing a biocidal composition, suitable for use in treatment of aqueous systems, such as herein described, for controlled growth of microbes therein, said method comprising the step of admixing an effective amount, such as herein described, of an alkyl sulfosuccinate surfactant and a biocidal compound, selected from the group consisting of 2, 2-dibromo-3-nitropropionamide, 5-oxo-3, 4-dichloro-1, 2-dithiol and glutaraldehyde.

(Compl. Specn. : 13 pages;

Drgns. : 4 sheets)

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that M/s. KVAERNER ENGINEERING A. S. of Prof. Kohtsvei 5, N-1324 LYSAKER NORWAY, a Norwegian Company have made an application under Section 57 of the Patents Act, 1970, for amendment of application and their application for Patent No. 924/Mas/93 (182066) for "A METHOD AND A DEVICE FOR THE PRODUCTION OF CARBON BLACK AND HYDROGEN". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the patent office, Branch, 'C' Wing (C-4.A), III Floor, Rajaji Bhavan, Besant Nagar, Chennai-90, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of opposition on prescribed Form-30 within 3 months from the date of Notification at the Patent Office Branch, Chennai-90. If the written Statement of Opposition is not filed with the notice of Opposition it shall be left within one month from the date of filing the said Notice.

OPPOSITION PROCEEDINGS

An opposition has been entered by M/s. Lohia Starlinger Limited, Kanpur, to grant of a Patent Application No. 182249 (249/Bom/93) made by M/s. Star Spin & Twist Machineries Ltd. Mumbai.

An opposition has been entered by M/s. Lohia Starlinger Limited, Kanpur, to grant of a Patent Application No. 182250 (293/Bom/93) made by M/s. Star Spin & Twist Machineries Ltd., Mumbai.

An opposition has been entered by M/s. Cosmo Films Limited, New Delhi, to grant of a patent Application No. 182406 (941/Del/91) made by M/s. Polytech Research, New Delhi.

An opposition has been entered by M/s. Dabur Research Foundation, Ghaziabad, to grant of a patent Application No. 182484 (1131/Mas/96) made by Mr. Ravindra Kumar Agarwal Bangalore.

An opposition has been entered by M/s. Cosmo Films Limited, New Delhi, to grant of a patent Application No. 182511 (155/Del/92) made by M/s. Polytech Research, New Delhi.

An opposition has been entered by M/s. Cosmo Films Limited, New Delhi, to grant of a patent Application No. 182542 (942/Del/91) made by M/s. Polytech Research, New Delhi.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166201 granted to Fosco India Limited for an invention relating to particulate composition and a method for the protection of graphite electrodes of electric arc Furnace.

The Patent ceased on the 06-07-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 171916 granted to Lock—R. Lock Inc. for an invention relating to Push Button padlocks having swivel-only shackles.

The Patent ceased on the 11-07-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 172445 granted to Lumicae Patent AS (assignee) for an invention relating to a luminous panel.

The Patent ceased on the 22-11-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 09-10-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 177903 granted to P. K. Kulkarni & V. P. Kulkarni for an invention relating to an improved U shaped collapsible bandage for medication of human teeth and gums.

The Patent ceased on the 12-09-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 174669 granted to Samsung Electron Devices Co. Ltd. for an invention relating to precoating Solution for manufacturing a luminescent Screen of color cathode ray tube.

The Patent ceased on the 23-07-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 179565 granted to 1. Edward Hsing, 2. Hsieh Sheng Cheng, 3. Dick Cheng for an invention relating to electric code lock set for telecommunication cabinet.

The Patent ceased on the 21-12-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMMERCIAL WORKING OF PATENTED INVENTIONS

CHEMICAL ENG. INDUSTRY LIST NO. III

The following patents in the field of Chemical Engineering Industry are not being commercially worked in India as admitted by patentees in the statements filed by them under section 146(2) of the patents Act, 1970, in respect of Calander Year 1996. generally on account of want of request for Licences to work the patented invention, persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose.

Patent No.	Date of Patent	Name & Address of Patentee	Title of the Invention
1	2	3	4
172627	03-06-88	Albright & Witson Limited a British Company.	Process for a plane rstartaut treatment of a substrate.
164967	30-10-85	Alcan International Ltd.	A method of anodizing an aluminium strip.
163215	11-05-84	Asarco Incorporated a corporation Organised under the Laws of the state of New Jersey U.S.A.	Method for the electrolytic refining of copper using thiourea as addition Agent.
175483	22-04-88	BP Chemicals (Additives) Ltd., England.	Fuel composition containing an additive for redusing valve seat recession.
175450	21-04-88	Do.	Process for the production of 2-3-dimethyl butene-1 from propenc.
172581	30-11-87	Do.	A process for the production of the additive concentrate suitable for incorporation into a finished librication oil composition.
169547	30-11-87	Do.	A process for the production of an additive concentrate suitable for incorporation in to finished lubricating oil composition.
162093	30-10-84	Do.	A liquid phase process for the cationic polymarzation of-1-olefins.
167854	29-07-86	The Board of the Rubber Research Institute of Malayasia.	Process for the production of apoxidised natural rubber from fresh natural rubber filed latex.
174844	20-04-89	British Technology Group Ltd.	A method for the preparation of cement composition.
169856	24-12-86	Council of Scientific & Industrial Research, New Delhi.	A method for the manufacture of an extreme pressure and industrial gear oil.
157110	07-01-83	Do.	A process for the preparation of precipitated calcium carbonate from carbide lime sludge.

1	2	3	4
157396	21-03-83	Council of Scientific & Industrial Research, New Delhi.	An improved process for immersion stripping of nickel electrodeposits from steel and stainless steel substrates.
157439	17-02-83	Do.	An improved process for the electrodeposition of lead dioxide on titanium substrates.
157865	25-06-83	Do.	Process for the reparation of plasticizer material for use in plastic industry.
158655	26-11-83	Do.	Improvements in or relating to the preparation of lithium tetra chloroaluminate.
158990	29-11-83	Do.	Improvements in or relating to a process for the extraction of copper lead & zinc metal values from complex sulphide ores, concentrates.
159041	17-03-83	Do.	Process for the preparation of improved cationic fat liquer from vegetable oil.
159164	02-06-83	Do.	Process for the catalytic conversion of methanol to hydrocarbon mainly olefins.
159186	18-05-84	Do.	An improved process for the preparation of a metal sulphate.
159406	02-02-83	Do.	A catalytic process for the conversion of methanol to olefins rich hydrocarbons.
159407	22-02-83	Do.	A process for the preparation of composable catalyst material.
159412	23-05-84	Do.	An improved flux composition.
159881	10-06-83	Do.	An improved burner for use with fluid fuels.
160274	27-05-85	Do.	Improvements in or relating to the preparation of water borne self curing zinc silicate castings.
160279	25-01-85	Do.	A process for the preparation of a catalyst useful for the selective conversion of ethylene into aromatic hydrocarbon containing 6 to 8 carbon atoms.
160355	26-09-84	Do.	An improved processes for the preparation of aluminium alloys.
160403	02-05-84	Do.	An improved Process for the treatment of coir/coir products to make them/ flame retardant and coir/coir products so treated.

1	2	3	4
160478	18-03-85	Council of Scientific & Industrial Research, New Delhi	An improved process for the extraction of copper, nickel, cobalt manganese metal values and from deep sea manganese nodules.
160479	18-03-85	Do.	An improved process for the extraction of copper nickel & cobalt metal values from deep sea manganese nodules.
160520	10-12-84	Do.	A process for the extraction of cobalt, nickel and copper from copper converter slags with ammonium sulphate roasting at low temperatures.
160535	10-12-84	Do.	A process for the extraction of copper nickel and cobalt metal values from manganese sea nodules.
160536	10-12-84	Do.	A process for the extraction of copper, nickel and cobalt metal values from sea bed manganese nodules.
160753	23-03-85	Do.	A process for the extraction of garcinol hydroxytric acid and anthocyanins which are useful in food industry as colouring additives from kokum plant (<i>Garcinia Indica</i> .)
160754	16-05-86	Do.	An inhibitor composition for protection of metal alloys from sea water.
160756	25-01-85	Do.	Process for the preparation of new catalyst composite material useful for the conversion of alkanols to hydrocarbons.
160979	14-10-85	Do.	A process for the preparation of thickener material from the plant <i>litsea polyantha</i> for use in the textile printing industry.
161056	09-07-84	Do.	An improved process for the preparation of zinc sulphide silver phosphor blue photoluminescent materials.
161271	16-04-85	Do.	A process for the preparation of rigid polyvinylchloride and polyacrylates alloys.
161411	18-07-85	Do.	An improved process for the preparation of manganese sulphate.
161412	21-05-85	Do.	Improvements in or relating to electrochemical synthesis of polyindole.
161457	13-03-84	Do.	A process for the preparation of a composition useful for coating rusted surfaces.

1	2	3	4
161570	26-12-84	Council of Scientific & Industrial Research, New Delhi	An improved process for the recovery of metallic copper from copper converter slag or any other oxidised copper bearing material.
161612	04-07-84	Do.	An improved process for the preparation of sym- N, N- disubstituted diaryl urea compounds.
161644	09-07-84	Do.	An improved process for the recovery of lead from a complex sulphide ores concentrate.
162097	05-03-85	Do.	An improved process for the extraction of copper from chalcopyrite, concentrate through bacterial leaching technique.
162243	09-12-85	Do.	Gas spargex for exothermic gas solid reactions.
162297	10-12-84	Do.	A process for the preparation of a non-corrosive flux for soft soldering of copper and copper based alloys.
162452	08-10-85	Do.	An improved process for extraction of copper nickel and cobalt from deep sea manganese nodules by ammoniacal leaching.
162491	30-04-85	Do.	A process for the preparation of fire resistant coating material.
162504	04-10-85	Do.	An improved process for the preparation of purified colloidal graphitic having 0.1 to 2 micron particulate size.
162522	05-12-85	Do.	An improved process for the preparation of tetrabromobisphenol-A.
162876	16-06-84	Do.	An improved process for the selective separation of linear terminal aliphatic hydrocarbons and n-paraffins from petroleum fractions.
162912	06-05-86	Do.	A process for the simultaneous preparation of sodium vanadate and zeolite by the thermal treatment of vanadium sludge.
163054	22-07-85	Do.	Improvements in or relating to the preparation of epoxy polyamide titanium dioxide paint for irradiation resistant coatings.
163187	30-03-85	Do.	Process for the conversion of methanol to olefins.
163588	23-03-85	Do.	An improved process for production of fluid pumpable non-settling concentrated water based slurry fuel.

1	2	3	4
163677	15-05-85	Council of Scientific & Industrial Research, New Delhi.	A process for the removal of tarnished film from the surface of articles of silver, copper and their respective alloys.
163810	31-07-85	Do.	A process for the separation of stigmasterol derived products of 22 S, 23S and 22 R-Isomers of 22, 23—Dihydroxy—24 S—ethyl—30 C-5-cyclo-50 Csholestain—6—ones from phytoosterols of sugarcane wax.
163832	01-07-85	Do.	Process for the preparation of predominantly cationic titanium tanning extract for use as a tanning material.
164270	30-12-85	Do.	Improvements in or relating to a process for the preparation of corrosion/scale inhibitors suitable for prevention of metallic corrosion scale formation in system a using different grades of water.
164271	31-12-85	Do.	Process for the preparation of a stabilizer to inhibit autocatalytic decomposition of hydrogen peroxide added in pickling baths of copper and copper based alloys.
164274	31-10-85	Do.	An improved process for the extraction of nickel from lateritic nickel ores.
164411	21-02-86	Do.	A process for the production of stabilized coal—water slurry useful as substitute for petroleum based fuel oil.
164415	31-07-85	Do.	A process for preparing transparent sheets document copying purpose and transparent sheets so prepared.
164416	02-08-85	Do.	A process for the preparation of novel lanthanum iron silicates designated as encilite-2.
164457	06-03-86	Do.	An improved process for the preparation of stable anionic fat liquors based on glyceride oils having iodine values less than 100.
164459	30-06-86	Do.	A process for the production of kerosene from light olefins.
164487	25-03-86	Do.	An improved process for refining of aluminium and its alloys.

1	2	3	4
164581	23-07-86	Council of Scientific & Industrial Research, New Delhi	A process for the preparation of a new aluminium based alloy anode for cathodic protection of structures submerged both in saline and fresh waters.
164652	29-10-86	Do.	A process for the preparation of zinc rich primer base on alkyl silicate for corrosion protection of steel.
164654	16-06-86	Do.	An improved process for diffusion aluminising of shaped articles of low carbon steel and low alloy steel.
164706	14-10-85	Do.	An improved alkaline primary battery cell.
164775	31-12-85	Do.	A process for preparing polymer bonded clay useful for surface treatment water proofing moth proofing of articles.
164964	30-08-85	Do.	An improved process for the extraction of vanadium pentoxide from vanadium bearing titanium-ferrous magnetites or any other vanadium bearing material.
164973	01-01-87	Do.	A process for the production of pure silica & oxalic acid from jaddy husk.
165431	12-08-86	Do.	A process for the manufacture of sub-micron gate gas metastats using contact photo lithography.
165506	18-07-85	Do.	Improvements in or relating to a process for the preparation of an inhibitor suitable for batch and continuous pickling of steels in hydrochloric acid solution.
165510	12-02-87	Do.	A process for the preparation of nitro potassic fertilizers & technical grade potassium nitrate from mixed salt.
165530	31-12-85	Do.	An improved process for the production of high resistivity amorphous hydrogenated silicon films.
165726	12-02-87	Do.	A process for the production of ammonia by photo catalytic reduction of molecular nitrogen.
165763	31-07-85	Do.	Improvement in the preparation of pharmaceutical formulations in the form of suspensions.
165920	11-12-86	Do.	A process for the preparation of low molecular weight xylenes from china strain.
165976	16-06-86	Do.	A method of production of hydrogen from biological wastes.
165977	11-08-87	Do.	Improved electrolytic cell for the production of calcium gluconate.

1	2	3	4
166149	25-03-86	Council of Scientific & Industrial Research, New Delhi.	Process for the preparation of crystalline alumina phosphate catalysts.
166181	05-05-87	Do.	An improved process for preparation of-2, bromo-1-phenylethanol.
166284	31-03-86	Do.	A process for the preparation of collagen derivatives from rejected & poor quality hides & skin useful for incorporation in cosmetic formulations.
166734	25-03-86	Do.	Improved process for the production of trichlorosilane (TCS) from silicon tetrachloride.
166826	17-06-86	Do.	A process for the preparation of water dispersable maleinised fatty derivatives for incorporation in tanned leathers for imparting water repellency.
166830	24-12-86	Do.	A process for the enrichment of silica in commercial sodium silicate solutions.
166853	05-06-87	Do.	A process for the electrosynthesis of conducting polythiénylenes.
167019	17-10-86	Do.	An improved process for the manufacture of high sensitivity thermistors.
167037	13-08-86	Do.	A process for the preparation of pure high bulk doubly iron (III) oxide.
167205	12-06-86	Do.	A process for desulphurization of high sulphur coal.
167305	21-04-86	Do.	An improved process for the production of alumina from low grade and submarginal bauxite.
167309	12-06-86	Do.	A process for desulphurization of high sulphur coal.
167482	25-04-86	Do.	A process for the recovery of nickel and cobalt from copper converter slag or their oxide ores.
167484	01-07-86	Do.	An improved process for cold pelletization of chrome ore fine and concentrates.
167668	22-02-88	Do.	An improved process for electroless nickel coating tools dies and moulds.
167670	10-03-88	Do.	A theft alarm system.
167682	29-01-87	Do.	An improved process for the manufacture of a tool for electrochemical machining of materials and the tool so manufactured.
167684	19-04-87	Do.	An improved process for the selective hydroformylation of aliphatic alifins to corresponding linear aldehydes.

1	2	3	4
167738	18-09-87	Council of Scientific & Industrial Research, New Delhi.	A process for the preparation of an enzyme galactosidase useful for reducing the content of lectose in lactose containing products like milk whey and other dairy products.
167936	06-12-86	Do.	Lubricating oil composition for two strokes petrol engine.
168135	26-09-86	Do.	An improved process for the production of alkali soluble humic acid & ammonium salt thereof from low rank coal weathered cooler bignite through solid gas reactor.
168140	24-12-86	Do.	A process for the extraction of metal values from deep sea polymetallic nodules by direct reduction ammonia leaching.
168294	02-09-86	Do.	Process for the manufacture of aluminium alloy silica sand composite brake liner and engineering applications.
168301	02-09-86	Do.	A process for the manufacture of aluminium graphite particulate composite using uncoated graphite particles for automobile & engineering applications.
168377	03-06-86	Do.	An improved for the manufacture of sintered synthetic high alumina aggregate.
168399	10-02-89	Do.	A process for the preparation of a high silica zeolite of pentasil family from paddy nosk ash.
168413	01-06-88	Do.	Improved method for the preparation of alkyl resin, based water thinable air drying paint.
168451	02-06-87	Do.	A process for the preparation of polyphenylene oxide as an adherent film on metallic substances.
168794	24-12-86	Do.	An improved process for the phospho-sulphidated jojoba oil useful as multi-functional additives for lubricating oil.
169129	06-03-86	Do.	A process for the preparation of catalysed oxygen scavengers, suitable for removal of dissolved oxygen in water.
169137	06-03-86	Do.	A process for the preparation of catalysed oxygen scavengers suitable for removal of dissolved oxygen in water.
169140	11-08-87	Do.	A process for the production of compacted graphite iron.

1	2	3	4
169857	24-12-86	Council of Scientific & Industrial Research, New Delhi.	An improved process for the sulphurisation of jojoba oil for use as an extreme pressure additive.
169947	17-11-87	Do.	An improved process for the preparation of copier phthalocyanin blue.
169189	14-03-89	Do.	A process for the preparation of high flux membrane from the blend of formulation of cellalose acetate & cellulose triacetate useful for the desalination of brackish water by reverse osmosis process.
169191	18-03-87	Do.	A process for the preparation of clay loaded metal candexes catalyst useful for the hydrogenation of oils & other unsulfurated compounds.
169279	29-11-85	Do.	A process for the preparation of dioxygen complex of rhuthenium useful for photocatalytic decomposition of water into hydrogen & oxygen.
169371	06-03-86	Do.	A process for the preparation of catalysed oxygen scavengers suitable for prevention of metallic corrosion in systems using different grades of waters.
169373	23-10-86	Do.	A process for the production of chromitecoke composite briquettes.
169375	05-12-86	Do.	An improved process for briquetting chrome ore fines & concentrates.
169502	31-12-86	Do.	A process for the photo catalytic decomposition of water into hydrogen & oxygen.
169747	28-04-88	Do.	A process for the preparation of indicator paper for on the spot testing of iodine in the range of 15-42 ppm in iodated salt.
170347	03-10-88	Do.	An improved water treatment plant.
170384	13-04-87	Do.	A process for the desilication of black/green liquor for recovery of paper grade lime in paper mills.
170388	24-03-87	Do.	A process for the manufacture heat insulations refractory products by foaming technique.
170438	14-03-89	Do.	An improved process for the synthesis of ores.

1	2	3	4
170445	28-04-88	Council of Scientific & Industrial Research, New Delhi.	A process for the production copper rod glass.
170449	13-02-87	Do.	A process for the preparation of polymer aqueous resin emulsion for the use as pressure sensitive adhesive on paper metal foils tapes & surgical plasts.
170008	16-12-86	Do.	An improved process for the manufacture of hydroxy citronellal from citronellal.
170465	22-08-88	Do.	A bipolar cell for the production of chlorates and hypochlorites.
170589	31-01-90	Do.	An improved process for the synthesis of OL (3, 6-DI-O, methyl, B-O-glucopyranogyl)-(1- 4) -O (2, 3-DI-O methyl & L rhamnophranosyl- (1-74).
170660	26-09-86	Do.	An improved method to manufacture manganese monoxide from manganese ores.
170829	07-09-87	Do.	An improved process for the preparing of a high silica zeolite catalyst composite material.
170830	13-10-87	Do.	An improved process for the preparation of active alkali silicate from rice husk ash.
170833	26-09-86	Do.	An improved method to manufacture manganese monoxide.
170836	15-10-87	Do.	A process for the preparation of oxalic acid from wood dust.
170837	17-11-87	Do.	An improved process for the conversion of natural gas into middle distillates.
170901	28-04-88	Do.	A consistency viscosity monitor useful for measuring the consistency viscosity of a liquid.
170903	22-12-87	Do.	A process for the production of kerosene & diesel from C C C naptha.
170962	15-06-87	Do.	A process for the continuous solvent extraction & electro winning of copper & zinc from ammoniacal leach liquor obtained from pressure leaching of multi metal sulphide ores/concentrates.

1	2	3	4
171013	04-08-88	Council of Scientific & Industrial Research, New Delhi.	A process for formation of stencil for solder cream printing on thick film hybrid circuits.
171018	17-05-88	Do.	A process for the preparation of a solid formulation for field testing of iodine in the range of 1-15 ppm present in 50. g. iodated salt.
171230	15-12-88	Do.	A process for preparation of stabilized high ash coal oil slurries.
171362	13-04-87	Do.	Process for the preparation of a catalyst composite material.
171363	15-04-87	Do.	Process for the preparation of a catalyst composite material.
171407	24-09-87	Do.	An improved process for the preparation of carboxylic acids.
171636	24-10-88	Do.	An improved process for the preparation of a thermosetting acrylic paint.
171638	08-10-87	Do.	A process for the production of film based carbon paper.
171646	24-02-89	Do.	A process for the preparation of polymeric membrane useful for the separation & concentration of organic complex molecules.
171648	14-03-89	Do.	An improved process for the preparation of solvent resistant hightinting strength copper phthalocyanin blue pigment.
171649	07-02-89	Do.	An improved process for the preparation of insulating bricks from talc.
171782	13-07-88	Do.	process for the preparation of ablative tire retardant polymer composite from cashewnut shell liquid.
171984	30-07-87	Do.	An improved process for the preparation of elastomers having random distribution of functional groups from olefinic polymers.
172048	22-12-87	Do.	A process for the preparation of fertilizer useful to increase phosphate availability in soil.
172138	21-10-87	Do.	A process for the preparation of 1-(1,5-dimethyl-5-(substituted hexyl)-4-methylbenzenes from ringbenzene.
172214	21-10-87	Do.	A process for the preparation of 1-(1,5-dimethyl (substituted hexyl)-4 methylbenzenes from zingiberene.

1	2	3	4
172287	30-03-87	Council of Scientific & Industrial Research, New Delhi	Improved process for the carbonylation of alcohols to carboxylic acids.
172326	16-03-89	Do.	Improved process for the preparation of brounswick greens.
172329	17-02-89	Do.	Electrochemical cell for the electrolytic preparation of magnesium chlorate & a process using for the said cell.
172333	10-03-89	Do.	process for the preparation of a novel crystalline aluminosilicate.
172361	21-03-88	Do.	An improved referming process.
172416	03-10-88	Do.	A process for the preparation of oriented powder of super conducting-B2Cu3 O7-Compound.
172542	13-06-89	Do.	An improved coating composition useful for the protection of concrete structures.
172587	16-03-88	Do.	A process for making port land cement from rice hask.
172588	07-06-89	Do.	Process for the preparation of rathenium metal complex having formula (Ru(Edta-4) CL) useful as catalysts for water goes shift reactions.
172784	09-06-98	Do.	A process for the preparation of a novel crystalline alumirosilicate designated as ancilite-12.
172785	16-06-88	Do.	An imroved naphtha reforming process.
172971	13-02-87	Do.	A process for the sintroing of chromite are fines & concentrates.
172985	20-01-89	Do.	A process for the preparation of an improved jojoba oil body cream containing transesterified jojoba oil & jojoba oil.
173447	17-12-89	Do.	A process for the recovery of ammonium partungstata or synthetic sheelite from scheelite minerals.
173448	31-12-87	Do.	A process for the preparation of trialkyl acyl ammonium compound useful as phase transfer catalysts (p t c)
173495	24-03-87	Do.	A process for manufacture of non-reactive low melting fatty polyamider.
173497	13-07-88	Do.	An improved process for manufacturing at alalloy metal metrix composites.
173526	08-12-87	Do.	An improved process for the manufacture of geranil from citronella oil.
173558	26-02-90	Do.	A process for the isolation & purification of a new ribo-nuclease from cobra venom (naja-naja)

1	2	3	4
173626	08-03-90	Council of Scientific & Industrial Research, New Delhi.	An improved process for the hydrolysis of cassava flower.
173627	08-03-90	Do.	A process for preparing cereal lassi concentrate.
173760	26-02-90	Do.	A process for the preparation of 1-6'-methoxy 4-guinolyl-3-(3'' vinyl-1-1''-(substituted aminoacetyl) 4''piperidyl)-2-methylene propane 1-ones and their water soluble salts.
173865	31-01-90	Do.	An improved process for the preparation of aryl 4-alkyl carbamate esters.
173908	04-01-91	Do.	An improved process for the preparation of (5) diols.
173941	22-03-90	Do.	An improved process for the extraction of superior grade palm kernel meal & oil from palm kernel.
173942	27-03-90	Do.	A process for the separation of arbortristose A, arbortristose B, arbortristose C, arbortristose D, arbortristose E and 6B-hydroxy loganin from the seeds of the plant nyctanther-arbortristis.
173943	27-03-90	Do.	A process for the preparation of iridois having omileish manial activity from the seeds of the plant nyctanthes arbortristis linn.
173945	11-09-90	Do.	An improved process for the preparation of hydro,x & phenyl pro propomolamine.
173948	31-10-90	Do.	A process for the synthesis of novel 5-acyl-Z-acylamino-14-benzimidazoles useful as antifilarial agents.
173949	27-06-90	Do.	An improved process for the preparation of acetyl phosphoramidothioates.
173991	16-10-90	Do.	A process for the synthesis of N-1 and N-2 substituted-4, 6-B is (thioalkyl)-1 H-pyrazole (3, 4-d) pyrimidine.
173992	16-10-90	Do.	A process for the synthesis of 4-amino-6-thio alkyl-1-(2'-2'-diethoxyethyl)-1H-pyrazole (3, 4-d) pyrimidine.
173994	31-10-90	Do.	A process for the preparation of bioside useful for controlling mosquito borne diseases from bacillus sphacricus.

1	2	3	4
173995	31-10-90	Council of Scientific & Industrial Research, New Delhi.	A process for the synthesis of alkyl 5(6)-(N', N3 dicarbalkoxy guanidno) phenyl carbonyl benzimidazole-2-carbamates.
173996	14-11-90	Do.	A process for the preparation of an active composition containing triterpenes including ozadirachtin & its derivatives possessing insect antifeedant & growth inhibitory activity from parts of the neem plant.
173997	14-11-90	Do.	A process for preparation of insecticidally active composition containing lipids from the neem plant.
173998	14-11-90	Do.	A process for the isolation of new tri-terpene derivatives of aradirachtin from the parts of neem tree.
173999	26-12-90	Do.	An improved process for the preparation of microtitre plate useful for sandwich enzyme immunoassay of haptens small molecules.
174002	28-07-89	Do.	A process for the manufacture of sputtering targets of ceramic in oxides such as 4-BA-CU-O to prepare temperature super conducting thin films.
174010	03-04-91	Do.	An improved process for the preparation of aluminium hydroxide gel powder having antacid properties.
174013	26-02-90	Do.	A process for the preparation of 1-(6', methoxy-4-quinolonyl, 3(3''-vinyl-1''-(N, N-dialkyl or heterocyclic amino allyl) or substituted amino alkyl 4'' piperidyl 2-methylene-propanol-1-ones & their water soluble salt.
174036	24-04-90	Do.	An improved process for the preparation of quinidine from quinine.
174039	30-08-90	Do.	An improved process for the preparation of mono-chloroanisole.
174040	05-09-90	Do.	An improved process for the preparation of 4 phenyl-1-1 (2-substituted ethyl) imidazo-lidin-2-ones.
174343	18-08-89	Do.	An improved process for making short ceramic fibres/whiskers.

1	2	3	4
174619	03-11-89	Council of Scientific & Industrial Research, New Delhi.	An improved process for the electrochemical preparation of chlorotolylene employing precious metal oxide coated anode.
174779	03-01-89	Do.	Improved process for conversion of crystalline microporous aluminophosphate to crystalline silicoaluminophosphate.
174811	19-10-89	Do.	A process for the preparation of crystalline metasilicate.
174813	06-10-89	Do.	A process for the preparation of an improved catalyst composite material useful for the hydrodewaxing of petroleum oils.
174906	28-07-88	Do.	An improved process for the preparation of non-heterocyclic aromatic compounds.
174910	19-10-89	Do.	A process for the preparation of vapour phase inhibitors suitable for protection of ferrous material from atmospheric corrosion.
174922	20-01-89	Do.	A process for the preparation of novel ruthenium complex catalyst containing sigma donor ligands for the oxidation of retarated hydrocarbon.
175028	25-07-89	Do.	An improved furnace for melting of metals.
175030	20-01-89	Do.	A process for the oxidation of saturated hydrocarbons.
173947	29-10-90	Do.	An improved process for the preparation of arteether.
175029	28-07-89	Do.	An improved process for the isolation of pairesaponin from the fruits of sapindus mukorossi.
175121	28-04-88	Do.	A process for the preparation of desiccant grade chromatographic grade silica gel from paddy husk.
175147	06-10-89	Do.	Improved process for the hydrodewaxing of petroleum oil for the production of dewaxed oil.
173083	19-10-87	Do.	A process for the manufacture of high alumina refractory brick from sillimanite beach sand by ceramic bonding.
175156	15-11-88	Do.	Process for the synthesis of 6-methoxy-B-(-N-substituted-1-methyl-4-aminobutyl), aminoquinoline.
175180	31-10-90	Do.	A process for the preparation of 3-arylmethyl-1-(3-diethylaminopropyl)pyrrolidines.

1	2	3	4
175182	27-06-89	Council of Scientific & Industrial Research, New Delhi.	An improved anaerobic moving bed reactor for treatment of biodegradable liquid wastes and bio-gas recovery.
175185	10-07-89	Do.	A process for increasing the concentration of xylenes in aromatic fractions.
175189	17-12-90	Do.	A process for producing steel by using 100% directly reduced iron (DRI) ore.
175208	27-06-90	Do.	An equipment to make stack gas free from sulphur-dioxide (CO ₂).
175330	12-10-88	Do.	A process for the conversion of methane to ethylene.
175343	19-04-89	Do.	A process for the extraction of nickel & cobalt by low temperature reduction of chromite over burden.
175365	24-05-90	Do.	A process for the preparation of composition for promoting flowering in bamboo species.
175369	26-12-90	Do.	A process for preparation of a novel N-N-bis 17 Bol androsten-4-(3 thiopropionyl) derivatives of aliphatic diamines.
175439	28-12-87	Do.	An improved process for the beneficiation of iron ore fines and dumina bearing ores/minerals.
175458	07-06-89	Do.	An improved process for the preparation of carbon dioxide and hydrogen using carbon monoxide & water.
175460	27-06-89	Do.	An improved process for the preparation of symmetrical alkyl substituted ureas.
175486	25-08-89	Do.	An improved process for the electrodeposition on to a metal substrate of cadmium from a perchlorate based electrolytic bath.
175525	27-03-89	Do.	An improved process for refining of pig iron by removing silicon phosphorus & sulphur in a single oxygen step without using gaseous.
175567	20-08-90	Do.	An improved process for the preparation of 1, 2, 3, 4, 6, 7, 12, 12a Octa-hydropyrazino (2' 1' 6, 1) pyrido (3, 4, 6) indole.

1	2	3	4
175569	16-10-90	Council of Scientific & Industrial Research, New Delhi.	A process for the synthesis of 4-amino-6-thioalkyl-2 (2', 2', diethoxy ethyl) -2H-pyrazolo (3, 4-d) pyrimidine.
175602	18-08-89	Do.	A new process for making of co-deposited short ceramic composition fibres.
175441	12-10-88	Do.	A process for preparation of water soluble epoxy resin for cathodically depositing the resin over metal sheets.
175442	28-12-87	Do.	A process for the preparation of a new dispersant chemical additive useful in selective dispersing of alumina bearing one fines/minerals.
175209	21-09-90	Do.	An improved process for the preparation of an iron catalyst useful for the producing of synthetic liquid fuels having 62-69% yield of middle distillate (C5+) fraction from synthesis gas.
175222	07-06-89	Do.	A process for synthesis of zeolites from green liquor of paper mill waste liquor.
175609	19-10-89	Do.	A process for reforming of pyrolysis naphtha.
175610	27-11-1990	Do.	A process for the isolation of anticancer compound (crotopoxide) from the berries of <i>riparattenuatum</i> .
175611	07-11-1988	Do.	A process for preparing a cationic polyelectrolyte containing a quaternary nitrogen atom useful as a flocculant for clarification of effluent water generated in oil fields.
175617	18-12-1990	Do.	An improved process for the preparation of 1-ethoxy or 1-cyano-5 substituted-11-methyl-10-aza-4, 6, 12 trioxatriocyclo (7, 2, 1, 02, 8) dodec-10-ene.
175618	26-12-1990	Do.	A process for the preparation of a novel N, N-Bis 2 (testosterone-3-oximino) acetyl derivatives of aliphatic diamines.
175619	26-12-1990	Do.	A process for the preparation of a novel N-17 polandrasten-4-(3 thiapropionyl) N-2 (testosterone-3-oximino) acetyl derivatives of aliphatic diamines.
175702	08-05-1990	Do.	A process for the preparation of emitting europium activated alkaline earth fluoro halide phosphors.
175704	18-05-1990	Do.	A process for the preparation of a liquid reagent indicator formulation for estimation of iodine in iodated salt.
175705	12-05-1989	Do.	An improved process for the production of 2, 4-dihydroxy quinoline.
175706	15-05-1989	Do.	A process for the preparation of crystalline catalyst composite materials.

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175605	13-12-88	Council of Scientific & Industrial Research, New Delhi.	A process for the preparation of a crystalline tetra aluminosilicate.
175708	16-10-1990	Do.	A process for the preparation of skin care lotion containing of transesterified jojoba oil.
175714	05-09-1990	Do.	An improved process for making glazed ceramic tiles from pyrophyllite.
175719	20-03-1990	Do.	An improved process for sintering Ba ₂ Cu ₃ O _{7-x} Super conductor.
175725	03-01-1991	Do.	An improved process for the preparation of rust converting primer based on water thinnable chlorinated rubber resin.
175726	06-10-1989	Do.	A process for the production of novel catalyst composite useful for the production of cycle oils having lower pour points.
175729	15-12-1988	Do.	A process for producing high density high purity, hydration resistant dead burnt dolomite from by product dolomite concentrate obtained while beneficiation of low grade phosphate ore.
175732	30-05-1988	Do.	A process for the preparation of a catalysts composite material.
175736	04-11-1988	Do.	An improved process for the extraction of hyaluronic acid having a molecular weight of the order of 2 million.
175737	04-11-1988	Do.	An improved process for the reductive leaching of polymetallic manganiferous sea nodule for the recovery of copper nickel and cobalt.
175738	11-11-1988	Do.	A method for enhanced dewaxing of crude rice bran oil or other edible oils.
175746	21-12-1988	Do.	A process for manufacture of portland cement clinker using solid fuel by downdraft technique.
175747	06-02-1989	Do.	An improved electrochemical process for the production of potassium iodate.
175749	02-08-1991	Do.	An improved process for the preparation of a pesticidal composition based on polymers useful for controlled release of pesticides in aquatic habitats.
175750	18-12-1990	Do.	An improved process for the preparation of 5, 8, dihydro-1-naphthol.
175786	13-12-1989	Do.	An improved process for the extraction of copper nickel and cobalt metal values from manganese searodules.
175789	18-12-1990	Do.	An improved process for the preparation of CIS-5(3.1, 1-di-methylethyl)-amino-2 hydroxy.
175790	26-12-1990	Do.	An improved process for the preparation of alkyl and aryl esters of.
175802	3-10-1988	Do.	A novel process for the preparation of methyl ethyl ketone (2)- butanone by oxidation of butenes.

1	2	3	4
176000*	07-06-1989	Council of Scientific & Industrial Research, New Delhi	An improved process for manufacture of cement
175810	19-10-1989	Do.	An improved process for the preparation of porous crystalline titanium silicate TS-I.
175830	30-08-1990	Do.	A process for the preparation of x(RS) cyclo P-substitute benzyl (+) cis-2, 2 dimethyl-3-(2, 2-dichlorovinyl) cyclopropane carboxylates.
175835	07-11-1988	Do.	An improved process for catalytic oxidative conversion of methane to (2-hydrocarbons in presence of free oxygen.
175858	25-07-1989	Do.	An improved process for the preparation of cold bonded iron arepellets using cement silica binder.
176009	30-11-1990	Do.	An improved process for the production of immobilized penisillin-6 cycl-secc useful for the preparation of 6-amins sensillamis acid.
176018	30-11-1990	Do.	A process for the preparation of crosslinked spherical hydroxyethyl methacrylate terpolymer beads of controlled pore site distribution.
176015	01-12-1988	Do.	A process for Oxidative conversion of methane to C2 hydrocarbons.
176017	15-12-1988	Do.	A process for production of smokeless easily ignitable pellets from carbon dust of lumps.
176030	19-10-1989	Do.	Process for the preparation of catalyst composite material.
176035	29-12-1988	Do.	An improved process for the production of cumene.
176036	29-12-1988	Do.	A process for preparation of crystalline microporous alumina silicate useful as catalyst & absorbent.
176037	29-12-1988	Do.	An improved flotation process for beneficiation of coal alkaline minerals.
176051	07-11-1988	Do.	Process for the preparation of crystalline composition ferrisilicate material useful as catalyst.
176063	01-12-1988	Do.	A process for preparation of crystalline microporous (pore size about 8A) alumina phosphate
176064	03-12-1988	Do.	A process for the production of tabular alumine.
176065	05-12-1988	Do.	A process for the production of an improved quality of active carbon from wood charcoal of stubbul type.
176069	27-12-1988	Do.	A process for the preparation of phosph nylated propylmams from alkyl/akjenyl/phenale.
176083	07-02-1990	Do.	An improved process for preparation of yttrium oxysulphide phosphors.
176097	23-01-1990	Do.	A process for the production of iron composite materials.
176098	25-10-1988	Do.	An improved process for the conversion of methane to ethylene by catalytic and noncatalytic oxidative pyrolysis.

1	2	3	4
176099	07-11-1988	Council of Scientific & Industrial Research, New Delhi.	An improved process for preparation of acetic anhydride.
176100	07-11-1988	Do	An improved process for the synthesis of uniform submicron grade (<LUM) Sr-ferrite powder by chemical coprecipitation technique.
176138	20-08-1990	Do	An improved process for the preparation of S. No. 2 having high sintered densities.
176140	04-10-1990	Do	Improved magnesium metal oxide air cells.
176142	23-01-1990	Do	Device for the production of high quality steel from directly reduced iron/rod or slab & a process for the production of high quality steel using the said device.
176143	07-11-1988	Do	Process for the preparation of crystalline aluminosilicate.
176147	17-01-1991	Do	An improved burette.
176164	24-10-1988	Do	A process for the preparation of catalyst composite material useful for the fluid catalytic cracking to petroleum fraction.
176175	06-10-1989	Do	Process for the preparation of a crystalline ferrisilical catalyst composite material.
175144	15-05-1989	Duracell International Inc U.S.A.	Process for producing beta manganese dioxide.
176158	03-12-1986	Exxon Chemical Patents Inc of U.S.A.	An method of polymerising ethylene or ethylene and olefins.
176423	23-08-1989	Do	Process for producing purified linear paraffins.
161503	10-10-1984	Exxon Research & Engineering Comp, U.S.A.	A method of purifying N-methyl-2- pyrrolidine solvent.
167753	25-07-1986	Do	Absorbent composition.
172110	25-07-1986	Do	A process for producing a fluid mixture free of H ₂ S by the selective absorption of H ₂ S from a fluid mixtures.
172636	28-12-1987	Do	Process at normally cracking hydrocarbons using particulate solid heat exchanger.
174722	13-12-1988	Exxon Research & Engineering Co. U.S.A.	A method for producing a tube oil base stock or blending stock of improved daylight stability.
174723	13-12-1988	Do	Method for isomerizing wax to tube base oils.
174770	28-03-1989	Do	A method for production of substantially pure N-methyl-2- pyrrolidone (NMP).
168703	25-03-1986	Glycerol of chaussée de la Hulpe 166, B-1178, Bruxelles, Belgium.	A process & apparatus for depositing or forming refractory masses on the surface of a substrate.
170071	28-11-1985	Do	Process for forming a refractory mass on a surface.
170209	28-11-1985	Do	A refractory composition for use in spraying against a surface to form a refractory mass.
169380	07-01-1986	The Goodyear Tire & Rubber Co., U.S.A.	Method of manufacturing partially crystalline polyester articles.
169503	07-01-1986	Do	Method of manufacturing an amorphous thermally stable polyolefin modified polyethylene terephthalate sheet.

1	2	3	4
169172	28-04-1988	Shree Krishnakshay Labor. toiles Limited	A process for the manufacture of bronze coloured sheet glass.
174217	28-11-1988	The Lubrizol Corporation, U.S.A.	A gear oil composition.
175231	28-07-1987	Do.	A functional fluid composition.
175235	26-05-1989	Do.	A lubricating oil composition.
175327	26-05-1989	Do.	Lubricating oil composition.
173981	02-03-1988	Do.	Gear lubricant composition.
174188	19-01-1989	Do.	A fuel composition.
173442	08-09-1987	Do.	A fuel additive composition.
161061	24-6-1983	Do.	Process for making a nitrogen containing ester of a carboxy containing interpolymers.
163584	15-06-1984	Do.	A method of preparing metal salts of dialkylphosphorodithioic acids.
174850	02-02-1990	Do.	Process for the preparation of a dispersant salt suitable for formation of stable aqueous dispersant composition.
165348	24-12-1985	Do.	A process for preparing a coating composition.
166474	30-10-1985	Do.	A process for preparing a lubricant additives aqueous system.
165512	15-01-1986	Do.	Liquid hydrocarbon composition for use as fuels crude oils and lubricants.
167018	13-09-1991	Do.	A method for producing homopolymers and copolymers of amidosulfuric acid containing monomers and salts thereof.
167420	25-11-1986	Do.	A process for preparing an oil-soluble viscosity improver.
167666	13-10-1986	Do.	A water in oil emulsion for use such as hydrocutic fluids acidizing fluids or explosive compound.
167837	05-03-1986	Do.	A fuel composition for internal combustion engine.
167977	13-01-87	Do.	Lubricant composition containing transition metals for viscosity control.
168197	23-09-87	Do.	Process for the production of a high carbonate containing borated product.
169147	19-03-87	Do.	A synthetic lubricant composition.
169508	17-12-86	Do.	Composition for use as an additive for functional fluids.
170459	17-09-87	Do.	Lubricant composition.
170655	18-12-85	Do.	Improved dispersant salt composition.

1	2	3	4
170839	25-11-86	The Lubrizol, Corporation, U.S.A.	A process for preparing an oil soluble viscosity improver.
172193	25-11-86	Do.	A process for making an oil soluble dispersant viscosity modifying composition.
173483	23-12-94	Do.	Synergistic composition containing a lubricating oil and metal salts of dialkylphosphorodithioic acid.
173488	16-10-87	Do.	A process for the preparation of baren containing everbased salts of organic acids.
173500	14-05-87	Do.	Phosphorus and sulfur containing lubricant and functional fluid compositions.
175512	17-08-88	Do.	Process for the recovery of alcohols from a mixture of alcohols from a mixture of alcohol & phosphorus compounds.
175524	19-12-88	Do.	A process for preparing alphaolefin polymers.
175528	28-07-87	Do.	A process for preparing phenothiazine derivatives.
175577	07-11-88	Do.	A process for preparing a nitrogen containing esters of carboxy containing interpolymers.
175784	29-06-88	Do.	Lubricating oil composition for controlling and/or inhibiting the formation of block shudge in a gasoline fueled internal combustion engine.
176002	06-07-88	Do.	Spin fiber lubricant composition & a fibrous material having applied thereon said composition.
176161	09-09-86	Do.	A process for preparing a metal mannich complex for uses as additive in fuel oils.
176167	09-09-86	Do.	A process for the preparation of a metal mannich complex additive.
176245	17-12-86	Do.	A fuel composition.
176271	25-07-86	Do.	A process for making a water dispersible hydrocarbon substituted succinic acid or anhydride/amine acriminated poly (oxyalkylene) reaction product.
176418	19-10-89	Do.	Liquid compositions containing carboxylic esters.
171289	10-06-88	M. Hesh Kumar Khaitan, of 20, Sector 9A, Chandigarh, India.	Process for the recovery of caustic soda from black liquor.
174222	03-10-89	Middleburg Steel & Alloys (proprietary) Ltd., of South Africa.	A method for the production of desulphurised ferrochromium.
174566	07-12-88	Mitsui Petrochemicals Industries Ltd., Tokyo Japan.	Process for the extraction of a purified aqueous terephthalic acid slurry.

1	2	3	4
171796	13-01-88	The M. W. Kellogg Company, U. S. A.	Method for separating a hydrocarbon gas mixture and recovering a liquid stream of condensed hydrocarbon components therefrom.
164806	23-08-85	Do.	Process for producing ammonia in a synthesis.
171812	17-07-87	Do.	Process for recovering mercury from natural gas.
175739	08-11-88	Norsk Hydro A. S. of hygduy Alle 2,0257, OSLO 2, Norway.	A process for the production of diammonium phosphate containing fertilizers in granulated form.
174646	09-08-88	Novophalt Oversens S. A, of 11, Boulevard Prince Henri, P. O. Box 418-Luxembourg.	Process for the production of bituminous binder modified with thermoplastic syntactic material.
173869	06-03-98	Richardson Vicks Inc., A Corporation U. S. A.	Process for preparing oral a anesthetic composition.
169518	10-09-87	Sanford Redmond, of 746 River Bank Rd., U.S.A.	Dispensing package for flowable products.
174912	06-12-89	Samsung, Electron, Koroan.	A process for producing a phosphor layer as a panel of colour picture tube.
166314	11-08-86	Shell International Research Mastachappij B. V. Netherland.	Process for preparing copolymers of carbon monoxide ethene & another elefinically unsaturated hydrocarbons.
167615	26-02-87	Do.	A process for the preparation of a carbonylated elefinically unsaturated compound.
167994	25-06-86	Do.	Process for the anionic polymerization of monomers.
168064	30-07-86	Do.	Melt-spinnable for meltblowable copolymer composition and fibres whenever melt-spun or melt-blown therefrom.
169509	20-10-87	Do.	Improved catalyst composition for use in the production of ethylene oxide.
170003	03-06-86	Do.	Process for the preparation an of a silver catalyst.
170005	27-04-87	Do.	Process for the preparation of a silver-containing catalyst suitable for the oxidation of ethylene to ethyleneoxide.
170453	16-02-87	Do.	Process for regeneration spent resin.
178625	22-05-87	Do.	Process for the preparation of polymers.
178745	04-03-87	Do.	Process for the preparation of carbonyl compounds.
172272	27-07-87	Do.	A process for the preparation of silver containing catalyst.
4729	04-04-89	Do.	A process for the manufacture by flame spraying of a solid object coated with a polymeric material.
176124	05-05-87	Do.	A process for preparing a silver catalyst for use in the oxidation of ethylene to ethylene oxide.
176468	20-10-87	Do.	Process for the production of ethylene oxide from ethylene & oxygen.
176536	05-05-87	Do.	A process for preparing ethylene oxide.

1	2	3	4
163184	21-03-85	Shell International Research Masatechappij B.V. Netherland	Process for the preparation of polymers of conjugated dienes & optionally monoalkonyl aromatic hydrocarbons.
162099	26-06-85	Societe Nationale Des Poudres Et, Explosifs of France.	A process for producing a polymer with ethylenic unsaturations incorporating silymatallecone.
166668	02-09-86	Do	A propellant composition.
174704	25-06-86	Societe Chimique Des charvenneges, S. A.	Process of producing concentrated selections of amonium nitrate.
174481	10-02-89	Societe Europeonne Des produits Refractaires, of France.	Process for making a ceramic article.
167024	27-05-86	Societe Nationale Des poudres Et, Explosifs, France.	Pyretachnic igniter for shells.
168540	12-03-84	Societe Nationals Industrielle Aerospatiale, of France.	Blade for a multi blade propeller in particular the propeller of a tail rotor of a rotorcraft and process for manufacturing said blade.
176476	28-11-89	Societe Nationale Des poudres Et, Explosifs of France.	A hydroxytelechelic polybutadiene based adhesive crosslinkable thermoplastic composition.
172750	18-12-87	The Standard oil company of USA.	A photovoltaic device.
165755	25-09-85	Toys Engineering Corpn, Japan	Process for producing urea
167486	12-09-86	Do	Process for treating urea granules with a urea melt as liquid coating material in a fluidizing bed to obtain coated urea granules.
171250	16-10-87	Do	A process for the synthesis of urea.
166439	27-11-87	Council of Scientific & Industrial Research, New Delhi.	A process for the manufacture of red modified pvc composite material.

RENEWAL FEES PAID

173192 171744 166061 172425 169700 173273 176563 173193
 173284 175769 170033 181059 171235 178426 179813 181445
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 182201 182202 182204 182206 182208 182210 182211 182212
 182213 182214 182216 182220 182224 182225.

CAL - 21, DEL - NIL, CHEN - 02, MUM - NIL

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act., 1970 from the date of expiration of three years from the date of sealing.

D Drug Patents

F Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 1. No. 175094, Tata BP Solar India Limited, a company incorporated under Company Act, 1956 of 78 Electronic City, Hosur Road, Bangalore-561229, Karnataka, India, "WATER HEATER", 26th November 1997.

Class 1. No. 175095, Tata BP Solar India Limited, a company incorporated under Company Act, 1956 of 78 Electronic City, Hosur Road, Bangalore-561229, Karnataka, India, "SOLAR COLLECTOR", 26th November 1997.

Class 1. Nos. 175006 & 175007, Paul's Engineering Works Pvt. Ltd., an Indian company of P-7, Natabar Paul Roat, Howrah-711105, West Bengal, India, "CHUCK FOR LATHE", 12th November 1997.

Class 3. No. 175081, Forsheda AB, of 330 12 Forsheda, Sweden, a Swedish company, "SEALING RING", 25th November 1997.

Class 3. No. 175093, Dunlop India Limited, Dunlop House, 57B Mirza Ghalib Street, Calcutta-700016, W. Bengal, India, an Indian Company, "TYRE", 26th November 1997.

Class 3. No. 175096, Mr. Ata-Ur-Rehman, of Ground floor, 2467, Gali Kuan Wali, Mahabat Khan, Chitli Qabar, Jama Masjid, Delhi-110006, India, an Indian national, "ELECTRIC IRON", 27th November 1997.

Class 3. No. 175097, Bhudev Sharma, an Indian national, of M/s. Standard Gold Switchgears and Engineers, 2140, Jamuna Bazar, P.O. Box 1801, Delhi-6, India, "ROTARY SWITCH", 27th November 1997.

Class 3. No. 175001, M/s. Plasticu, 94, Vithalwadi, Kalbadevi Road, Mumbai-400002 Maharashtra, India, a partnership firm, "PLASTIC HAIR BRUSH", 11th November 1997.

Class 3. No. 175002, Dabur India Limited of 22 Site, IV, Sahibabad, U.P., 201010, India, an Indian company, "TOOTH BRUSH", 11th November 1997.

Class 3. No. 175004, Shachihata Inc., of 69, Amatsuka-cho, Nishi-ku, Nagoya-shi, Aichi-ken, Japan, a Japanese company, "INK PAD", 11th November 1997.

Class 3. No. 175005, S. C. Johnson & Son, Inc., a corporation organized and existing under the laws of the State of Wisconsin of 1525 Howe Street, Racine, Wisconsin 53403-2236, U.S.A., "CONTAINER FOR BURNABLE INSECT COILS", 11th November 1997.

Class 3. No. 175008, Compagne Gervais Danonc, a joint stock company, organised under the laws of France of 126-130, Rue Jules Gusede, 92300, Levallois-Perret, France, "BOTTLE", 12th November 1997.

Class 3. No. 175009, Mundhra Traders, Indian sole proprietary concern of 38/42, Shamseth Street, 3rd floor, Bombay-400002, a proprietary firm, "COMB", 13th November 1997.

Class 3. No. 175010, Mad Lighting Limited, of Unit No. 23, Long Furrow Industrial Estate, East Goscoate, Leicester LE7 3XJ, England, a British company, "LIGHTING UNIT", 13th November 1997.

Class 3. No. 175011, S. C. Johnson & Son, Inc., a corporation organized and existing under the laws of the State of Wisconsin of 1525 Howe Street, Racine, Wisconsin 53403-2236, U.S.A., "ACTUATOR FOR AN AEROSOL CAN", 13th November 1997.

Class 3. No. 175018, M/s. Asha Hadicrafts, 102, Marol Co. Op. Industrial Estate, Muthuradas Vasanji Road, Marol, Andheri (East), Mumbai-400059, State of Maharashtra, India, an Indian partnership firm, "JUG", 18th November 1997.

Class 10. No. 175078, Nu-Fashion Footwear Pvt. Ltd., K-73, Udyog Nagar, Delhi-110041, India, an Indian Pvt. Ltd. Company, "FOOTWEAR", 25th November 1997.

Class 10. Nos. 175079 & 175080, Nu-Fashion Footwear Pvt. Ltd., K-73, Udyog Nagar, Delhi-110041, India, an Indian Pvt. Ltd. Company, "SOLE FOR FOOTWEAR", 25th November 1997.

Class 10. No. 175015, M/s. Soni Enterprises, 12/9, Nakasha, Near Raghunath talkies, Agra, U.P., India, a proprietorship concern, "THE SOLE OF FOOTWEAR", 18th November 1997.

Class 12. No. 175082, Jaya Proteins (I) Ltd., P-220 Block 'J' New Alipore, Calcutta-700053, West Bengal, India, "BISCUIT", 25th November 1997.

A. E. AHMED

Controller General of Patents Designs & Trademarks

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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1999

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD,
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1999